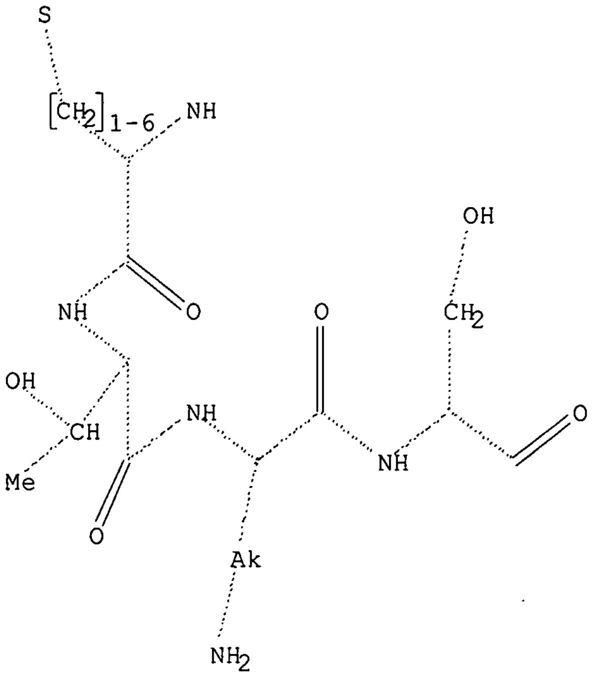
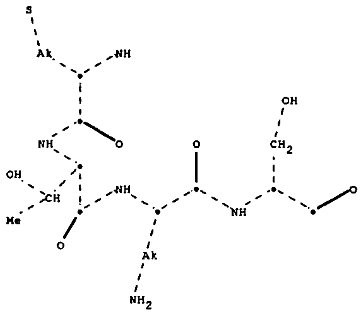
```
=> d his ful

     (FILE 'HOME' ENTERED AT 09:35:43 ON 21 JUN 2006)

     FILE 'REGISTRY' ENTERED AT 09:35:47 ON 21 JUN 2006
L1                STRUCTURE UPLOADED
                  D
L2              2 SEA SSS SAM L1
L3             21 SEA SSS FUL L1
L4                STRUCTURE UPLOADED
L5             14 SEA SUB=L3 SSS FUL L4
L6                STRUCTURE UPLOADED
                  D
L7              2 SEA SUB=L5 SSS FUL L6
                  D 1-2

     FILE 'HCAPLUS, USPATFULL, USPAT2, TOXCENTER, MEDLINE, EMBASE, BIOSIS'
     ENTERED AT 09:45:51 ON 21 JUN 2006
L8              3 SEA PLU=ON  L7
L9              1 DUP REM L8 (2 DUPLICATES REMOVED)
                       ANSWER '1' FROM FILE HCAPLUS
                  D L9

     FILE 'REGISTRY' ENTERED AT 09:50:43 ON 21 JUN 2006
L10               STRUCTURE UPLOADED
                  D
L11             8 SEA SSS SAM L10
L*** DEL       21 L1 FUL
L12           155 SEA SSS FUL L10
L13           152 SEA PLU=ON  L12 NOT L3

     FILE 'HCAPLUS, USPATFULL, USPAT2, TOXCENTER, MEDLINE, EMBASE, BIOSIS'
     ENTERED AT 09:56:17 ON 21 JUN 2006
L14           111 SEA PLU=ON  L13
L15            84 DUP REM L14 (27 DUPLICATES REMOVED)
                       ANSWERS '1-80' FROM FILE HCAPLUS
                       ANSWERS '81-84' FROM FILE USPATFULL

     FILE 'HCAPLUS, USPATFULL' ENTERED AT 09:56:42 ON 21 JUN 2006
L16            75 SEA PLU=ON  L15 AND (PD<20031007 OR PRD<20031007)
L17            67 SEA PLU=ON  L16 AND PD<20021007
L18             8 SEA PLU=ON  L16 NOT L17
                  D L16 1-75 IBIB HITSTR


     FILE HOME

     FILE REGISTRY
     Property values tagged with IC are from the ZIC/VINITI data file
     provided by InfoChem.

     STRUCTURE FILE UPDATES:   20 JUN 2006  HIGHEST RN 888507-19-5
     DICTIONARY FILE UPDATES:  20 JUN 2006  HIGHEST RN 888507-19-5

     New CAS Information Use Policies, enter HELP USAGETERMS for details.

     TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

       Please note that search-term pricing does apply when
       conducting SmartSELECT searches.
```

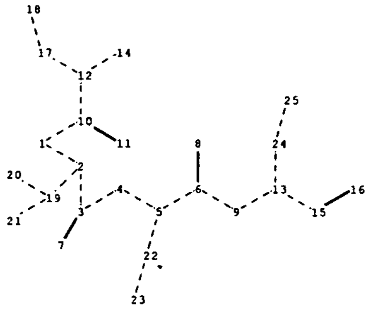
```
    ****************************************************************
    *                                                              *
    * The CA roles and document type information have been removed from *
    * the IDE default display format and the ED field has been added,   *
    * effective March 20, 2005.  A new display format, IDERL, is now    *
    * available and contains the CA role and document type information. *
    *                                                              *
    ****************************************************************

    Structure search iteration limits have been increased.  See HELP SLIMITS
    for details.

    REGISTRY includes numerically searchable data for experimental and
    predicted properties as well as tags indicating availability of
    experimental property data in the original document.  For information
    on property searching in REGISTRY, refer to:

    http://www.cas.org/ONLINE/UG/regprops.html

    FILE HCAPLUS
    FILE COVERS 1907 - 21 Jun 2006  VOL 144 ISS 26
    FILE LAST UPDATED: 20 Jun 2006  (20060620/ED)

    FILE USPATFULL
    FILE COVERS 1971 TO PATENT PUBLICATION DATE: 20 Jun 2006 (20060620/PD)
    FILE LAST UPDATED: 20 Jun 2006 (20060620/ED)
    CA INDEXING IS CURRENT THROUGH 20 Jun 2006 (20060620/UPCA)
    ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 20 Jun 2006 (20060620/PD)
    REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2006

    FILE USPAT2
    FILE COVERS 2001 TO PUBLICATION DATE: 20 Jun 2006 (20060620/PD)
    FILE LAST UPDATED: 20 Jun 2006 (20060620/ED)
    CA INDEXING IS CURRENT THROUGH 20 Jun 2006 (20060620/UPCA)
    ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 20 Jun 2006 (20060620/PD)
    REVISED CLASS FIELDS (/NCL) LAST RELOADED:  Feb 2006

    FILE TOXCENTER
    FILE COVERS 1907 TO 20 Jun 2006 (20060620/ED)

    FILE MEDLINE
     FILE LAST UPDATED: 20 JUN 2006 (20060620/UP).  FILE COVERS 1950 TO DATE.

    FILE EMBASE
     FILE COVERS 1974 TO 20 Jun 2006 (20060620/ED)

    FILE BIOSIS
    FILE COVERS 1969 TO DATE.
    RECORDS LAST ADDED: 14 June 2006 (20060614/ED)

=> d que sta
L1                STR
```



```
Structure attributes must be viewed using STN Express query preparation.
L3            21 SEA FILE=REGISTRY SSS FUL L1
L10              STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.
L12          155 SEA FILE=REGISTRY SSS FUL L10
L13          152 SEA FILE=REGISTRY PLU=ON  L12 NOT L3
L14          111 SEA L13
L15           84 DUP REM L14 (27 DUPLICATES REMOVED)
L16           75 SEA L15 AND (PD<20031007 OR PRD<20031007)
L17           67 SEA L16 AND PD<20021007
L18            8 SEA L16 NOT L17
```

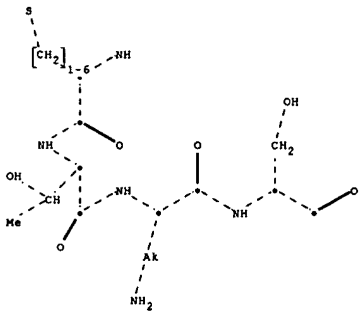
H:\STN queries\10680557.str

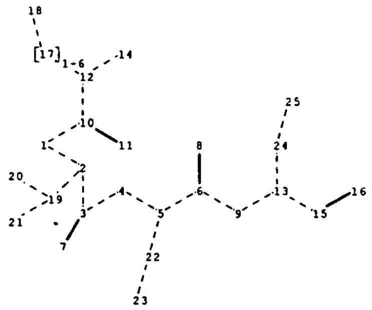




```
chain nodes :
    7  8  11  16  17  19  20  21  22  23  24  25
ring nodes :
    1  2  3  4  5  6  9  10  12  13  14  15
ring/chain nodes :
    18
chain bonds :
    2-19  3-7  5-22  6-8  10-11  13-24  15-16  19-20  19-21  22-23  24-25
ring/chain bonds :
    12-14  12-17  17-18
ring bonds :
    1-2  1-10  2-3  3-4  4-5  5-6  6-9  9-13  10-12  13-15
exact/norm bonds :
    1-2  1-10  2-3  2-19  3-4  3-7  4-5  5-6  5-22  6-8  6-9  9-13  10-11
    10-12  12-14  12-17  13-15  13-24  15-16  17-18  19-20  19-21  22-23  24-25


Match level :
    1:CLASS  2:CLASS  3:CLASS  4:CLASS  5:CLASS  6:CLASS  7:CLASS  8:CLASS
    9:CLASS  10:CLASS  11:CLASS  12:CLASS  13:CLASS  14:CLASS  15:CLASS
    16:CLASS  17:CLASS  18:CLASS  19:CLASS  20:CLASS  21:CLASS  22:CLASS
    23:CLASS  24:CLASS  25:CLASS
Generic attributes :
    17:
    Type of chain           : Linear
    Saturation              : Saturated
    Number of Carbon Atoms  : less than 7
    22:
    Type of chain           : Linear
    Saturation              : Saturated
    Number of Carbon Atoms  : less than 7
```

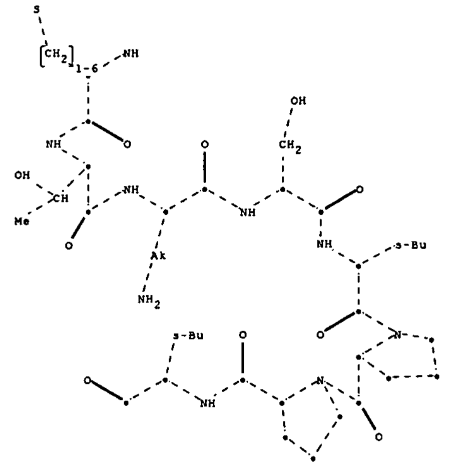
H:\STN queries\10680557a.str

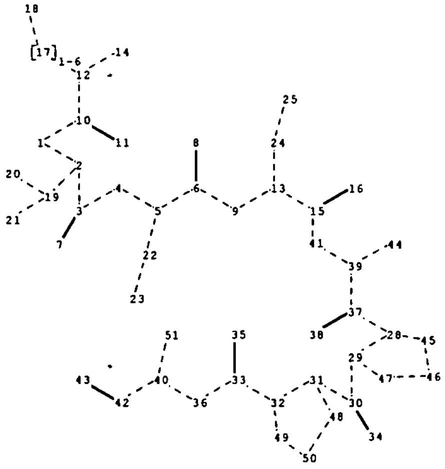




```
chain nodes :
    7  8  11  16  17  19  20  21  22  23  24  25
ring nodes :
    1  2  3  4  5  6  9  10  12  13  14  15
ring/chain nodes :
    18
chain bonds :
    2-19  3-7  5-22  6-8  10-11  13-24  15-16  19-20  19-21  22-23  24-25
ring/chain bonds :
    12-14  12-17  17-18
ring bonds :
    1-2  1-10  2-3  3-4  4-5  5-6  6-9  9-13  10-12  13-15
exact/norm bonds :
    1-2  1-10  2-3  2-19  3-4  3-7  4-5  5-6  5-22  6-8  6-9  9-13  10-11
    10-12  12-14  12-17  13-15  13-24  15-16  17-18  19-20  19-21  22-23  24-25


Match level :
    1:CLASS  2:CLASS  3:CLASS  4:CLASS  5:CLASS  6:CLASS  7:CLASS  8:CLASS
    9:CLASS  10:CLASS  11:CLASS  12:CLASS  13:CLASS  14:CLASS  15:CLASS
    16:CLASS  17:CLASS  18:CLASS  19:CLASS  20:CLASS  21:CLASS  22:CLASS
    23:CLASS  24:CLASS  25:CLASS
Generic attributes :
    22:
    Type of chain          : Linear
    Saturation             : Saturated
    Number of Carbon Atoms : less than 7
```

H:\STN queries\10680557b.str

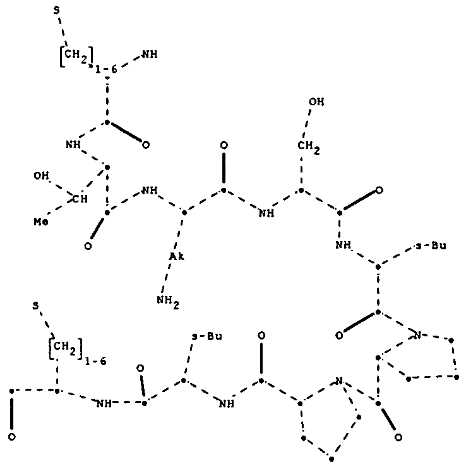


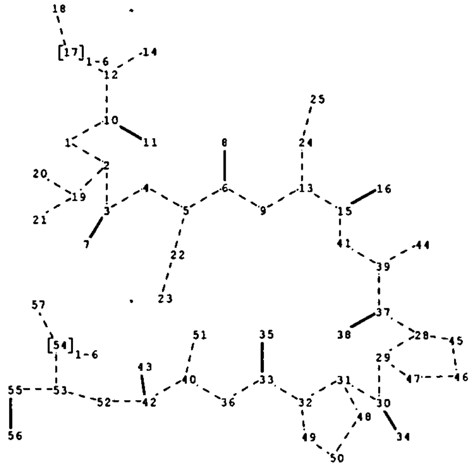


```
chain nodes :
    7  8  11  16  17  19  20  21  22  23  24  25  34  35  38  43  44  51
ring nodes :
    1  2  3  4  5  6  9  10  12  13  14  15  28  29  30  31  32  33  36  37  39
    40  41  42  45  46  47  48  49  50
ring/chain nodes :
    18
chain bonds :
    2-19  3-7  5-22  6-8  10-11  13-24  15-16  19-20  19-21  22-23  24-25
    30-34  33-35  37-38  39-44  40-51  42-43
ring/chain bonds :
    12-14  12-17  17-18
ring bonds :
    1-2  1-10  2-3  3-4  4-5  5-6  6-9  9-13  10-12  13-15  15-41  28-29  28-37
    28-45  29-30  29-47  30-31  31-32  31-48  32-33  32-49  33-36  36-40  37-39
    39-41  40-42  45-46  46-47  48-50  49-50
exact/norm bonds :
    1-2  1-10  2-3  2-19  3-4  3-7  4-5  5-6  5-22  6-8  6-9  9-13  10-11
    10-12  12-14  12-17  13-15  13-24  15-16  15-41  17-18  19-20  19-21  22-23
    24-25  28-29  28-37  28-45  29-30  29-47  30-31  30-34  31-32  31-48  32-33
    32-49  33-35  33-36  36-40  37-38  37-39  39-41  39-44  40-42  40-51  42-43
    45-46  46-47  48-50  49-50


Match level :
    1:CLASS  2:CLASS  3:CLASS  4:CLASS  5:CLASS  6:CLASS  7:CLASS  8:CLASS
    9:CLASS  10:CLASS  11:CLASS  12:CLASS  13:CLASS  14:CLASS  15:CLASS
    16:CLASS  17:CLASS  18:CLASS  19:CLASS  20:CLASS  21:CLASS  22:CLASS
    23:CLASS  24:CLASS  25:CLASS  28:CLASS  29:CLASS  30:CLASS  31:CLASS
    32:CLASS  33:CLASS  34:CLASS  35:CLASS  36:CLASS  37:CLASS  38:CLASS
    39:CLASS  40:CLASS  41:CLASS  42:CLASS  43:CLASS  44:CLASS  45:Atom
    46:Atom  47:Atom  48:Atom  49:Atom  50:Atom  51:CLASS
Generic attributes :
    22:
```

Type of chain : Linear
Saturation : Saturated
Number of Carbon Atoms : less than 7

H:\STN queries\10680557c.str

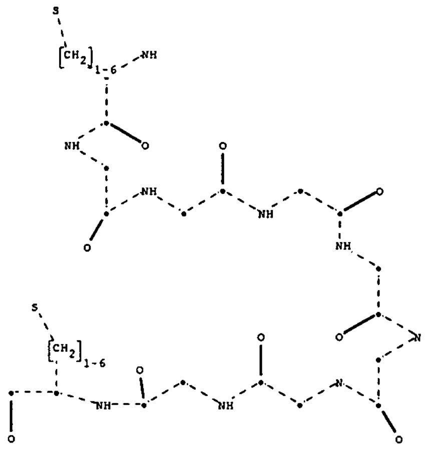


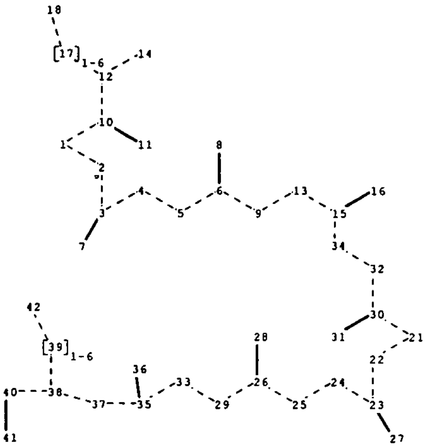


```
chain nodes :
    7  8  11  16  17  19  20  21  22  23  24  25  34  35  38  43  44  51  56
    57
ring nodes :
    1  2  3  4  5  6  9  10  12  13  14  15  28  29  30  31  32  33  36  37  39
    40  41  42  45  46  47  48  49  50  52  53
ring/chain nodes :
    18  54  55
chain bonds :
    2-19  3-7  5-22  6-8  10-11  13-24  15-16  19-20  19-21  22-23  24-25
    30-34  33-35  37-38  39-44  40-51  42-43  54-57  55-56
ring/chain bonds :
    12-14  12-17  17-18  53-54  53-55
ring bonds :
    1-2  1-10  2-3  3-4  4-5  5-6  6-9  9-13  10-12  13-15  15-41  28-29  28-37
    28-45  29-30  29-47  30-31  31-32  31-48  32-33  32-49  33-36  36-40  37-39
    39-41  40-42  42-52  45-46  46-47  48-50  49-50  52-53
exact/norm bonds :
    1-2  1-10  2-3  2-19  3-4  3-7  4-5  5-6  5-22  6-8  6-9  9-13  10-11
    10-12  12-14  12-17  13-15  13-24  15-16  15-41  17-18  19-20  19-21  22-23
    24-25  28-29  28-37  28-45  29-30  29-47  30-31  30-34  31-32  31-48  32-33
    32-49  33-35  33-36  36-40  37-38  37-39  39-41  39-44  40-42  40-51  42-43
    42-52  45-46  46-47  48-50  49-50  52-53  53-54  53-55  54-57  55-56


Match level :
    1:CLASS  2:CLASS  3:CLASS  4:CLASS  5:CLASS  6:CLASS  7:CLASS  8:CLASS
    9:CLASS  10:CLASS  11:CLASS  12:CLASS  13:CLASS  14:CLASS  15:CLASS
    16:CLASS  17:CLASS  18:CLASS  19:CLASS  20:CLASS  21:CLASS  22:CLASS
    23:CLASS  24:CLASS  25:CLASS  28:CLASS  29:CLASS  30:CLASS  31:CLASS
    32:CLASS  33:CLASS  34:CLASS  35:CLASS  36:CLASS  37:CLASS  38:CLASS
    39:CLASS  40:CLASS  41:CLASS  42:CLASS  43:CLASS  44:CLASS  45:Atom
    46:Atom  47:Atom  48:Atom  49:Atom  50:Atom  51:CLASS  52:Atom  53:Atom
    54:CLASS  55:CLASS  56:CLASS  57:CLASS
Generic attributes :
```

22:
Type of chain : Linear
Saturation : Saturated
Number of Carbon Atoms : less than 7

H:\STN queries\10680557d.str

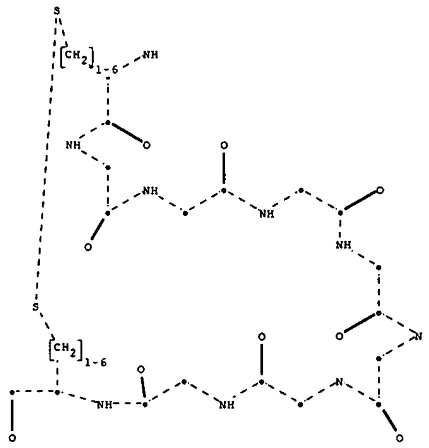


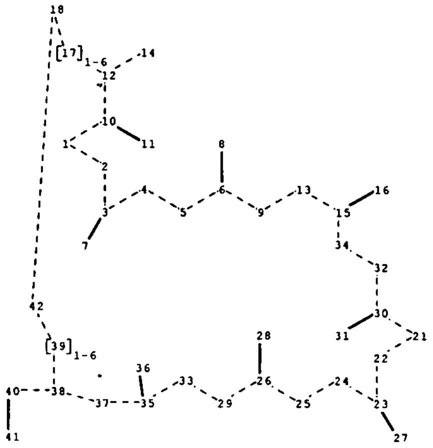


```
chain nodes :
    7  8  11  16  17  27  28  31  36  41  42
ring nodes :
    1  2  3  4  5  6  9  10  12  13  14  15  21  22  23  24  25  26  29  30  32
    33  34  35  37  38
ring/chain nodes :
    18  39  40
chain bonds :
    3-7  6-8  10-11  15-16  23-27  24-25  26-28  30-31  35-36  39-42  40-41
ring/chain bonds :
    12-14  12-17  17-18  38-39  38-40
ring bonds :
    1-2  1-10  2-3  3-4  4-5  5-6  6-9  9-13  10-12  13-15  15-34  21-22  21-30
    22-23  23-24  25-26  26-29  29-33  30-32  32-34  33-35  35-37  37-38
exact/norm bonds :
    1-2  1-10  2-3  3-4  3-7  4-5  5-6  6-8  6-9  9-13  10-11  10-12  12-14
    12-17  13-15  15-16  15-34  17-18  21-22  21-30  22-23  23-24  23-27  24-25
    25-26  26-28  26-29  29-33  30-31  30-32  32-34  33-35  35-36  35-37  37-38
    38-39  38-40  39-42  40-41


Match level :
    1:CLASS  2:CLASS  3:CLASS  4:CLASS  5:CLASS  6:CLASS  7:CLASS  8:CLASS
    9:CLASS  10:CLASS  11:CLASS  12:CLASS  13:CLASS  14:CLASS  15:CLASS
    16:CLASS  17:CLASS  18:CLASS  21:CLASS  22:CLASS  23:CLASS  24:CLASS
    25:CLASS  26:CLASS  27:CLASS  28:CLASS  29:CLASS  30:CLASS  31:CLASS
    32:CLASS  33:CLASS  34:CLASS  35:CLASS  36:CLASS  37:Atom  38:Atom
    39:CLASS  40:CLASS  41:CLASS  42:CLASS
```

```
=> d his ful

     (FILE 'HOME' ENTERED AT 12:37:50 ON 21 JUN 2006)

     FILE 'REGISTRY' ENTERED AT 12:38:40 ON 21 JUN 2006
L1              STRUCTURE UPLOADED
L2              STRUCTURE UPLOADED
                D
L3            2 SEA SSS FUL L1
L4          550 SEA SSS FUL L2
                D L3 1-2

     FILE 'HCAPLUS, USPATFULL, USPAT2, TOXCENTER, MEDLINE, EMBASE, BIOSIS'
     ENTERED AT 12:43:39 ON 21 JUN 2006
L5         1696 SEA PLU=ON  L4
L6         1166 DUP REM L5 (530 DUPLICATES REMOVED)
                     ANSWERS '1-956' FROM FILE HCAPLUS
                     ANSWERS '957-984' FROM FILE USPATFULL
                     ANSWERS '985-1001' FROM FILE TOXCENTER
                     ANSWER '1002' FROM FILE MEDLINE
                     ANSWERS '1003-1098' FROM FILE EMBASE
                     ANSWERS '1099-1166' FROM FILE BIOSIS
                D L6 1002 IBIB HIT
L7           16 SEA PLU=ON  L6 AND TOPICAL
                D L7 1-16 IBIB HITSTR
L8            3 SEA PLU=ON  L6 AND (SKIN OR DERMIS OR DERMAL) AND (IRRITATION
                OR RASH)
                D L8 1-3 IBIB HITSTR
L9           10 SEA PLU=ON  L6 AND (CREAM OR OINTMENT OR EMMOLIENT OR BANDAGE
                OR SHAMPOO)
L10           5 SEA PLU=ON  L9 NOT L7
L11           5 SEA PLU=ON  L10 NOT L8
                D L11 1-5 IBIB KWIC HITSTR
L12          20 SEA PLU=ON  L6 AND (PROTEASE (W) INHIBITOR)
L13          17 SEA PLU=ON  L12 NOT L7
L14          17 SEA PLU=ON  L13 NOT L9
                D L14 1-17 IBIB KWIC HITSTR

     FILE 'STNGUIDE' ENTERED AT 12:57:12 ON 21 JUN 2006


     FILE HOME

     FILE REGISTRY
     Property values tagged with IC are from the ZIC/VINITI data file
     provided by InfoChem.

     STRUCTURE FILE UPDATES:    20 JUN 2006  HIGHEST RN 888507-19-5
     DICTIONARY FILE UPDATES:   20 JUN 2006  HIGHEST RN 888507-19-5

     New CAS Information Use Policies, enter HELP USAGETERMS for details.

     TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

       Please note that search-term pricing does apply when
       conducting SmartSELECT searches.

     ***************************************************************
     *                                                             *
     * The CA roles and document type information have been removed from *
     * the IDE default display format and the ED field has been added,    *
     * effective March 20, 2005.  A new display format, IDERL, is now    *
     * available and contains the CA role and document type information. *
     *                                                                    *
     ******************************************************************

     Structure search iteration limits have been increased.  See HELP SLIMITS
     for details.

     REGISTRY includes numerically searchable data for experimental and
     predicted properties as well as tags indicating availability of
     experimental property data in the original document.  For information
     on property searching in REGISTRY, refer to:

     http://www.cas.org/ONLINE/UG/regprops.html

     FILE HCAPLUS
     FILE COVERS 1907 - 21 Jun 2006  VOL 144 ISS 26
     FILE LAST UPDATED: 20 Jun 2006  (20060620/ED)

     FILE USPATFULL
     FILE COVERS 1971 TO PATENT PUBLICATION DATE: 20 Jun 2006 (20060620/PD)
     FILE LAST UPDATED: 20 Jun 2006 (20060620/ED)
     CA INDEXING IS CURRENT THROUGH 20 Jun 2006 (20060620/UPCA)
     ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 20 Jun 2006 (20060620/PD)
     REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2006

     FILE USPAT2
     FILE COVERS 2001 TO PUBLICATION DATE: 20 Jun 2006 (20060620/PD)
     FILE LAST UPDATED: 20 Jun 2006 (20060620/ED)
     CA INDEXING IS CURRENT THROUGH 20 Jun 2006 (20060620/UPCA)
     ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 20 Jun 2006 (20060620/PD)
     REVISED CLASS FIELDS (/NCL) LAST RELOADED:  Feb 2006

     FILE TOXCENTER
     FILE COVERS 1907 TO 20 Jun 2006 (20060620/ED)

     FILE MEDLINE
      FILE LAST UPDATED: 20 JUN 2006 (20060620/UP).  FILE COVERS 1950 TO DATE.

     FILE EMBASE
      FILE COVERS 1974 TO 21 Jun 2006 (20060621/ED)

     FILE BIOSIS
     FILE COVERS 1969 TO DATE.
     RECORDS LAST ADDED: 14 June 2006 (20060614/ED)

     FILE STNGUIDE
     FILE CONTAINS CURRENT INFORMATION.
     LAST RELOADED: Jun 16, 2006 (20060616/UP).

=> d que sta
L2                STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.
L4            550 SEA FILE=REGISTRY SSS FUL L2
L5           1696 SEA L4
L6           1166 DUP REM L5 (530 DUPLICATES REMOVED)
L7             16 SEA L6 AND TOPICAL
L9             10 SEA L6 AND (CREAM OR OINTMENT OR EMMOLIENT OR BANDAGE OR
               SHAMPOO)
L12          20 SEA L6 AND (PROTEASE (W) INHIBITOR)
L13          17 SEA L12 NOT L7
L14          17 SEA L13 NOT L9
```

H:\STN queries\10680557e.str





```
chain nodes :
    7  8  11  16  27  28  31  36  41
ring nodes :
    1  2  3  4  5  6  9  10  12  13  14  15  17  18  21  22  23  24  25  26  29
    30  32  33  34  35  37  38  39  42
ring/chain nodes :
    40
chain bonds :
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ring/chain bonds :
    12-14  38-40
ring bonds :
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    18-42  21-22  21-30  22-23  23-24  24-25  25-26  26-29  29-33  30-32  32-34
    33-35  35-37  37-38  38-39  39-42
exact/norm bonds :
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    12-17  13-15  15-16  15-34  17-18  18-42  21-22  21-30  22-23  23-24  23-27
    24-25  25-26  26-28  26-29  29-33  30-31  30-32  32-34  33-35  35-36  35-37
    37-38  38-39  38-40  39-42  40-41


Match level :
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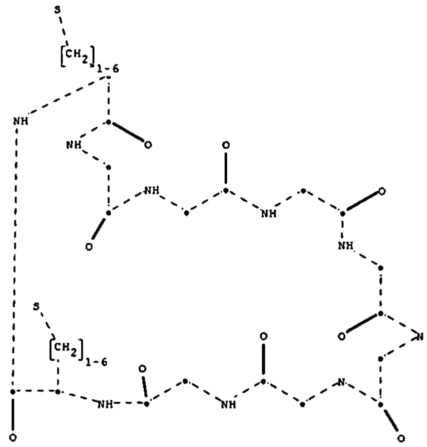

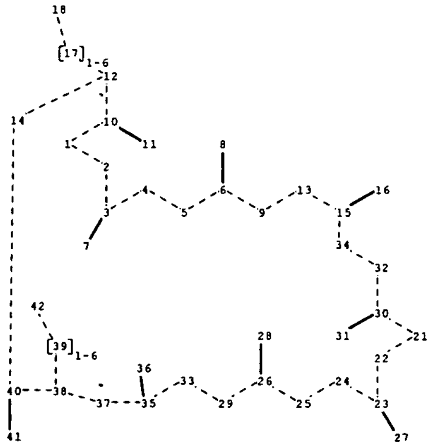

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    33  34  35  37  38  40
ring/chain nodes :
    18  39
chain bonds :
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ring/chain bonds :
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ring bonds :
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    21-22  21-30  22-23  23-24  24-25  25-26  26-29  29-33  30-32  32-34  33-35
    35-37  37-38  38-40
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    24-25  25-26  26-28  26-29  29-33  30-31  30-32  32-34  33-35  35-36  35-37
    37-38  38-39  38-40  39-42  40-41


Match level :
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PALM INTRANET

Day : Wednesday
Date: 6/21/2006
Time: 09:49:43

Inventor Information for 10/680557

Inventor Name	City	State/Country
MCGRATH, KEVIN P.	ALPHARETTA	GEORGIA

Appln Info | Contents | Petition Info | Atty/Agent Info | Continuity Data | Foreign Data | **Inver**

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- To combine searches use # before search number, e.g., #2 AND #6.
- Search numbers may not be continuous; all searches are represented.
- Click on query # to add to strategy

Search	Most Recent Queries	Time	Result
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[Clear History]

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L16  ANSWER 1 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         2005:1219937  HCAPLUS
DOCUMENT NUMBER:          143:478209
TITLE:                    Cyclized conotoxin peptides
INVENTOR(S):              Craik, David James; Daly, Norelle Lee; Nielsen,
                          Katherine Justine; Armishaw, Christopher A.; Clark,
                          Richard J.; Alewood, Paul Francis
PATENT ASSIGNEE(S):       The University of Queensland, Australia
SOURCE:                   U.S. Pat. Appl. Publ., 44 pp., Cont.-in-part of U.S.
                          Ser. No. 787,082.
                          CODEN: USXXCO
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   2
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             DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
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PRIORITY APPLN. INFO.:                     AU 1998-5895         A  19980914 <--
                                           WO 1999-AU769        W  19990914 <--
                                           US 2001-787082       A2 20010614 <--
IT   261730-37-4DP, oxidized
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     RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL
     (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES
     (Uses)
        (preparation of cyclized conotoxin peptides by solid phase peptide
        synthesis, cyclization and oxidation for therapeutic treatment of mammals)
RN   261730-37-4  HCAPLUS
CN   Cyclo(L-asparaginylglycylglycyl-L-cysteinyl-L-cysteinyl-L-seryl-L-
     asparaginyl-L-prolyl-L-valyl-L-cysteinyl-L-histidyl-L-leucyl-L-α-
     glutamyl-L-histidyl-L-seryl-L-asparaginyl-L-leucyl-L-cysteinyl-L-threonyl)
     (9CI)  (CA INDEX NAME)

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IT   261730-34-1DP, oxidized 261730-35-2DP, oxidized
     261730-36-3DP, oxidized 869646-26-4DP, oxidized
     RL: BSU (Biological study, unclassified); PAC (Pharmacological activity);
     SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological
     study); PREP (Preparation); USES (Uses)
        (preparation of cyclized conotoxin peptides by solid phase peptide
        synthesis, cyclization and oxidation for therapeutic treatment of mammals)
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     seryl-L-cysteinyl-L-arginyl-L-serylglycyl-L-lysyl-L-cysteinyl-L-threonyl-L-
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       (CA INDEX NAME)

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     seryl-L-cysteinyl-L-arginyl-L-serylglycyl-L-lysyl-L-cysteinyl-L-threonyl-L-
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*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
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IT   869646-21-9DP, oxidized
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        (preparation of cyclized conotoxin peptides containing at least two cysteine
        residues to form disulfide bond)
RN   869646-21-9  HCAPLUS
CN   Cyclo(L-alanyl-L-alanylglycylglycyl-L-cysteinyl-L-cysteinyl-L-seryl-L-
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*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L16  ANSWER 2 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         2005:524991  HCAPLUS
DOCUMENT NUMBER:          143:32384
TITLE:                    Polymeric articles for carrying therapeutic agents,
                          building block compounds, hydrogel nanoarticle, and
                          controlled delivery of therapeutic agents to cell or
                          tissue
INVENTOR(S):              Barry, Stephen E.; Goodwin, Andrew A.; Decor, Rachel
PATENT ASSIGNEE(S):       USA
SOURCE:                   U.S. Pat. Appl. Publ., 19 pp., Cont.-in-part of Appl.
                          No. PCT/US03/17536.
                          CODEN: USXXCO
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   2
PATENT INFORMATION:

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PRIORITY APPLN. INFO.:                     US 2002-385537P      P  20020603 <--
                                           WO 2003-US17536      A2 20030603 <--
                                           US 2003-463162P      P  20030416 <--
IT   632358-48-6
     RL: RCT (Reactant); RACT (Reactant or reagent)
        (preparation of drug-containing polymeric hydrogel nanoarticles for drug
        delivery and targeting especially in tumor treatment)
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CN   Cyclo(L-alanyl-L-cysteinyl-L-tyrosyl-L-methionyl-L-α-aspartyl-L-
     valyl-L-cysteinyl-D-phenylalanyl-L-cysteinyl-L-α-aspartylglycyl-L-
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Absolute stereochemistry.

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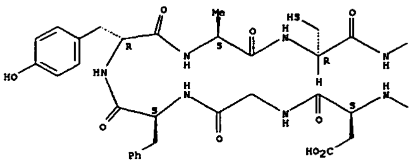

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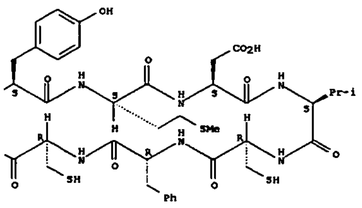

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        delivery and targeting especially in tumor treatment)
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Absolute stereochemistry.

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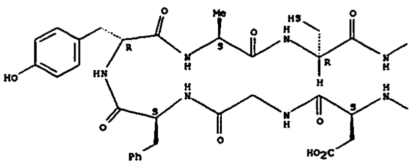

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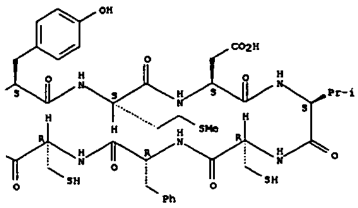

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L16  ANSWER 3 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         2004:534228  HCAPLUS
DOCUMENT NUMBER:          141:94417
TITLE:                    On-growth inhibiting compounds containing cyclotides
INVENTOR(S):              Bohlin, Lars; Sjoegren, Martin; Claeson, Per;
                          Goeransson, Ulf; Svangard, Erika
PATENT ASSIGNEE(S):       Swed.
SOURCE:                   PCT Int. Appl., 28 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

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             GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,
             LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ,
             OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
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         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
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                                           WO 2003-SE1961      W  20031216
IT   371161-25-0, Hypa A
     RL: BUU (Biological use, unclassified); TEM (Technical or engineered
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RN   371161-25-0  HCAPLUS
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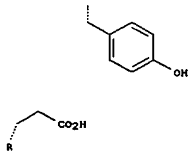

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L16  ANSWER 4 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         2004:493729  HCAPLUS
DOCUMENT NUMBER:          141:47357
TITLE:                    Neuronal amine transporter-inhibiting χ-conotoxin
                          peptides (-II)
INVENTOR(S):              Lewis, Richard James; Alewood, Paul Francis; Alewood,
                          Dianne; Palant, Elka
PATENT ASSIGNEE(S):       Xenome Ltd., Australia
SOURCE:                   PCT Int. Appl., 156 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

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     EP 1578787           A1    20050928   EP 2003-812101         20031202 <--
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OTHER SOURCE(S):          MARPAT 141:47357
IT   705258-71-5
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     use); BIOL (Biological study); USES (Uses)
        (neuronal amine transporter-inhibiting χ-conotoxin peptides)
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CN   Cyclo(L-cysteinyl-L-cysteinylglycyl-L-tyrosyl-L-lysyl-L-leucyl-L-cysteinyl-
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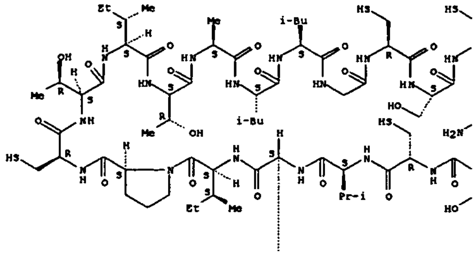
Absolute stereochemistry.

PAGE 1-A



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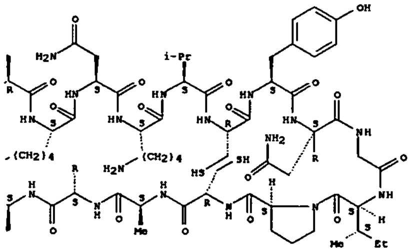

Absolute stereochemistry.

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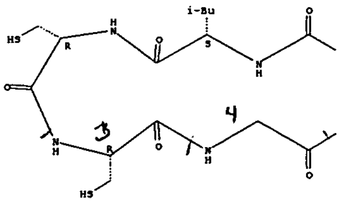

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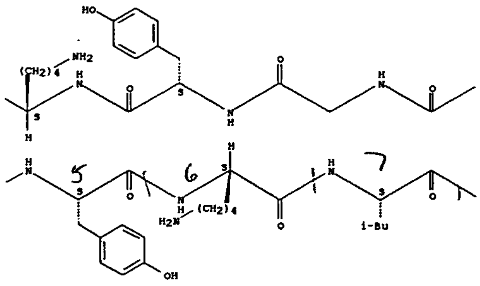

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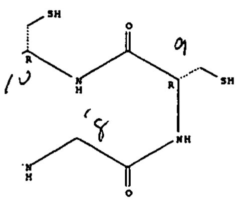

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L16  ANSWER 5 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        2003:971866  HCAPLUS
DOCUMENT NUMBER:         140:31487
TITLE:                   Therapeutic agent-containing polymeric hydrogel
                         articles for drug targeting
INVENTOR(S):             Barry, Stephen E.; Goodwin, Andrew A.; Decor, Rachel
PATENT ASSIGNEE(S):      Alinis Biosciences, Inc., USA
SOURCE:                  PCT Int. Appl., 45 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:           Patent
LANGUAGE:                English
FAMILY ACC. NUM. COUNT:  2
PATENT INFORMATION:

     PATENT NO.          KIND   DATE       APPLICATION NO.        DATE
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     WO 2003101425        A2    20031211   WO 2003-US17536        20030603 <--
     WO 2003101425        A3    20050317
     WO 2003101425        C1    20050428
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ,
             UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
             FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     CA 2487720           AA    20031211   CA 2003-2487720         20030603 <--
     AU 2003273272        A1    20031219   AU 2003-273272          20030603 <--
     EP 1531868           A2    20050525   EP 2003-741863          20030603 <--
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
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     JP 2005535604        T2    20051124   JP 2004-508783          20030603 <--
     US 2005129769        A1    20050616   US 2004-995880          20041122 <--
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PRIORITY APPLN. INFO.:                          US 2002-385537P     P  20020603 <--
                                                US 2003-463162P     P  20030416 <--
                                                WO 2003-US17536     W  20030603 <--
IT   632358-48-6
     RL: RCT (Reactant); RACT (Reactant or reagent)
        (preparation of drug-containing polymeric hydrogel nanoarticles for drug
        delivery and targeting especially in tumor treatment)
RN   632358-48-6  HCAPLUS
CN   Cyclo(L-alanyl-L-cysteinyl-L-tyrosyl-L-methionyl-L-α-aspartyl-L-
     valyl-L-cysteinyl-D-phenylalanyl-L-cysteinyl-L-α-aspartylglycyl-L-
     phenylalanyl-D-tyrosyl) (9CI)  (CA INDEX NAME)

Absolute stereochemistry.
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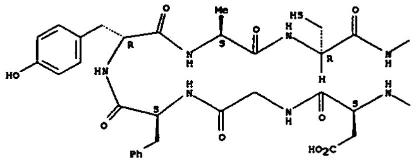

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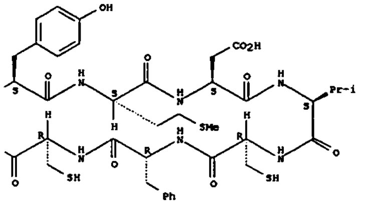

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IT   632358-48-6DP, conjugates with PEG derivative-functionalized
     doxorubicin-loaded articles
     RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological
     study); PREP (Preparation); USES (Uses)
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        (preparation of drug-containing polymeric hydrogel nanoarticles for drug
        delivery and targeting especially in tumor treatment)
RN   632358-48-6  HCAPLUS
CN   Cyclo(L-alanyl-L-cysteinyl-L-tyrosyl-L-methionyl-L-α-aspartyl-L-
     valyl-L-cysteinyl-D-phenylalanyl-L-cysteinyl-L-α-aspartylglycyl-L-
     phenylalanyl-D-tyrosyl) (9CI)  (CA INDEX NAME)

Absolute stereochemistry.
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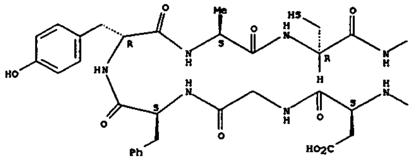
PAGE 1-A



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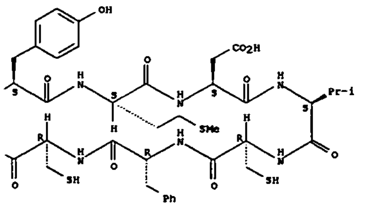

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L16  ANSWER 6 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        2003:912989  HCAPLUS
DOCUMENT NUMBER:         139:391382
TITLE:                   A method of treating or reducing cell death,
                         especially neuronal cell death, by administering an
                         ion channel blocking agent
INVENTOR(S):             Bartlett, Perry Francis; Coulson, Elizabeth Jane;
                         Morley, Samuel Nicholas; Hulett, Sarah Marie
```

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PATENT ASSIGNEE(S):      The Walter and Eliza Hall Institute of Medical
                         Research, Australia
SOURCE:                  PCT Int. Appl., 67 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:           Patent
LANGUAGE:                English
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE       APPLICATION NO.        DATE
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     WO 2003094903        A1    20031120   WO 2003-AU580           20030514 <--
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             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
             PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT,
             TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
             FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     AU 2003222681        A1    20031111   AU 2003-222681          20030514 <--
     EP 1511474           A1    20050309   EP 2003-718557          20030514 <--
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
PRIORITY APPLN. INFO.:                     AU 2002-2307        A  20020514 <--
                                           WO 2003-AU580       W  20030514 <--
IT   403843-29-8, Tertiapin
     RL: BSU (Biological study, unclassified); PAC (Pharmacological activity);
     THU (Therapeutic use); BIOL (Biological study); USES (Uses)
        (as ion channel blocking agent preventing apoptosis; ion channel
        blocking agents in treating or reducing cell death, especially neuronal cell
        death)
RN   403843-29-8  HCAPLUS
CN   L-Lysinamide, L-alanyl-L-leucyl-L-cysteinyl-L-asparaginyl-L-cysteinyl-L-
     asparaginyl-L-arginyl-L-isoleucyl-L-isoleucyl-L-isoleucyl-L-prolyl-L-
     histidyl-L-methionyl-L-cysteinyl-L-tryptophyl-L-lysyl-L-lysyl-L-
     cysteinylglycyl-L-lysyl-, cyclic (3→14),(5→18)-
     bis(disulfide) (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
IT   403843-29-8D, Tertiapin, homologs or derivs.
     RL: BSU (Biological study, unclassified); PAC (Pharmacological activity);
     THU (Therapeutic use); BIOL (Biological study); USES (Uses)
        (as ion channel blocking agents preventing apoptosis; ion channel
        blocking agents in treating or reducing cell death, especially neuronal cell
        death)
RN   403843-29-8  HCAPLUS
CN   L-Lysinamide, L-alanyl-L-leucyl-L-cysteinyl-L-asparaginyl-L-cysteinyl-L-
     asparaginyl-L-arginyl-L-isoleucyl-L-isoleucyl-L-isoleucyl-L-prolyl-L-
     histidyl-L-methionyl-L-cysteinyl-L-tryptophyl-L-lysyl-L-lysyl-L-
     cysteinylglycyl-L-lysyl-, cyclic (3→14),(5→18)-
     bis(disulfide) (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
REFERENCE COUNT:         6      THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16  ANSWER 7 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
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ACCESSION NUMBER:        2003:827818  HCAPLUS
DOCUMENT NUMBER:         140:157783
TITLE:                   The cholinomimetic agent bethanechol activates IK(ACh)
                         in feline atrial myocytes
AUTHOR(S):               Benavides-Haro, Dora E.; Navarro-Polanco, Ricardo A.;
                         Sanchez-Chapula, Jose A.
CORPORATE SOURCE:        Facultad de Medicina Humana y Ciencias de la Salud,
                         Universidad Autonoma de Zacatecas, Zacatecas, Mex.
SOURCE:                  Naunyn-Schmiedeberg's Archives of Pharmacology (
                         2003), 368(4), 309-315
                         CODEN: NSAPCC; ISSN: 0028-1298
PUBLISHER:               Springer-Verlag
DOCUMENT TYPE:           Journal
LANGUAGE:                English
IT   403843-29-8, Tertiapin
     RL: BSU (Biological study, unclassified); BIOL (Biological study)
        (effect on bethanechol-activated potassium current; cholinomimetic
        agent bethanechol activates IK(ACh)-mediated potassium current in
        feline atrial myocytes)
RN   403843-29-8  HCAPLUS
CN   L-Lysinamide, L-alanyl-L-leucyl-L-cysteinyl-L-asparaginyl-L-cysteinyl-L-
     asparaginyl-L-arginyl-L-isoleucyl-L-isoleucyl-L-isoleucyl-L-prolyl-L-
     histidyl-L-methionyl-L-cysteinyl-L-tryptophyl-L-lysyl-L-lysyl-L-
     cysteinylglycyl-L-lysyl-, cyclic (3→14),(5→18)-
     bis(disulfide) (9CI)  (CA INDEX NAME)

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L16  ANSWER 8 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        2002:743028  HCAPLUS
DOCUMENT NUMBER:         138:101073
TITLE:                   The Solution Structure of Human Hepcidin, a Peptide
                         Hormone with Antimicrobial Activity That is Involved
                         in Iron Uptake and Hereditary Hemochromatosis
AUTHOR(S):               Hunter, Howard N.; Fulton, D. Bruce; Ganz, Tomas;
                         Vogel, Hans J.
CORPORATE SOURCE:        Department of Biological Sciences, University of
                         Calgary, Calgary, AB, T2N 1N4, Can.
SOURCE:                  Journal of Biological Chemistry (2002),
                         277(40), 37597-37603
                         CODEN: JBCHA3; ISSN: 0021-9258
PUBLISHER:               American Society for Biochemistry and Molecular
                         Biology
DOCUMENT TYPE:           Journal
LANGUAGE:                English
IT   486451-24-5 486451-26-7
     RL: PRP (Properties)
        (mol. structure of human hepcidin-20 and hepcidin-25 in solution)
RN   486451-24-5  HCAPLUS
CN   L-Threonine, L-isoleucyl-L-cysteinyl-L-isoleucyl-L-phenylalanyl-L-
     cysteinyl-L-cysteinylglycyl-L-cysteinyl-L-cysteinyl-L-histidyl-L-arginyl-L-
     seryl-L-lysyl-L-cysteinylglycyl-L-methionyl-L-cysteinyl-L-cysteinyl-L-
     lysyl-, cyclic (2→18),(5→17),(6→14),(8→9)-
     tetrakis(disulfide) (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   486451-26-7  HCAPLUS
CN   L-Threonine, L-α-aspartyl-L-threonyl-L-histidyl-L-phenylalanyl-L-
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     prolyl-L-isoleucyl-L-cysteinyl-L-isoleucyl-L-phenylalanyl-L-cysteinyl-L-
     cysteinylglycyl-L-cysteinyl-L-cysteinyl-L-histidyl-L-arginyl-L-seryl-L-
     lysyl-L-cysteinylglycyl-L-methionyl-L-cysteinyl-L-cysteinyl-L-lysyl-,
     cyclic (7→23),(10→22),(11→19),(13→14)-
     tetrakis(disulfide) (9CI)  (CA INDEX NAME)

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REFERENCE COUNT:         32    THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS
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L16  ANSWER 9 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        2002:124599  HCAPLUS
DOCUMENT NUMBER:         136:293196
TITLE:                   Stable "zeta" peptides that act as potent antagonists
                         of the high-affinity IgE receptor
AUTHOR(S):               Nakamura, Gerald R.; Reynolds, Mark E.; Chen, Yvonne
                         M.; Starovasnik, Malissa A.; Lowman, Henry B.
CORPORATE SOURCE:        Department of Protein Engineering, Genentech, Inc.,
                         South San Francisco, CA, 94080, USA
SOURCE:                  Proceedings of the National Academy of Sciences of the
                         United States of America (2002), 99(3),
                         1303-1308
                         CODEN: PNASA6; ISSN: 0027-8424
PUBLISHER:               National Academy of Sciences
DOCUMENT TYPE:           Journal
LANGUAGE:                English
IT   408494-19-9 408494-20-2 408494-21-3
     408494-22-4 408494-23-5 408494-24-6
     408494-25-7 408494-26-8 408494-27-9
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     RL: BSU (Biological study, unclassified); PRP (Properties); BIOL
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        (structure-function anal. of peptides acting as potent antagonists of
        FcεRI receptor)
RN   408494-19-9  HCAPLUS
CN   L-Valinamide, L-alanyl-L-leucyl-L-cysteinyl-L-prolyl-L-alanyl-L-valyl-L-
     cysteinyl-L-tyrosyl-L-valylglycylglycyl-L-lysyl-L-alanyl-L-leucyl-L-
     cysteinyl-L-prolyl-L-α-aspartyl-L-valyl-L-cysteinyl-L-tyrosyl-,
     cyclic (3→19)-disulfide (9CI)  (CA INDEX NAME)

Absolute stereochemistry.
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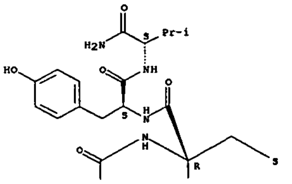

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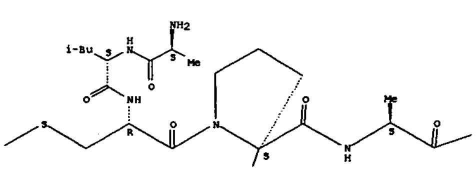

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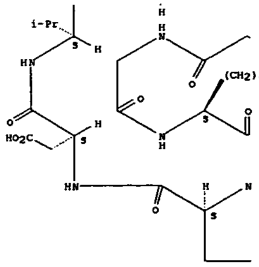

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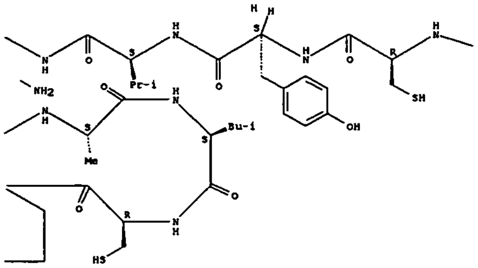

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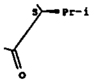

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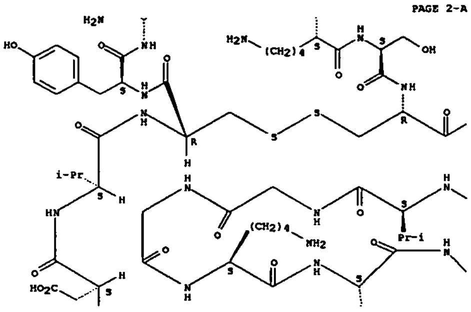
Absolute stereochemistry.

PAGE 1-A

PAGE 2-A



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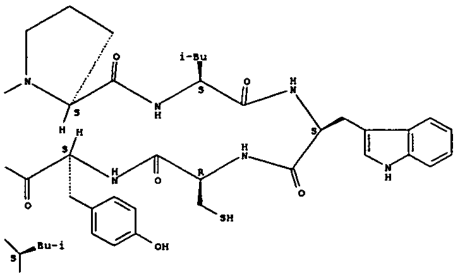

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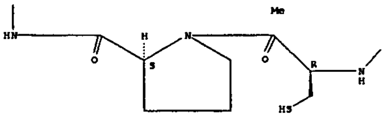
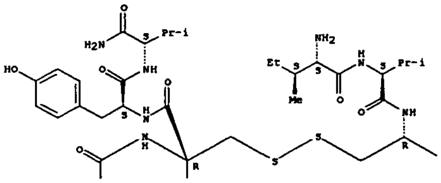


PAGE 3-B

RN 408494-21-3 HCAPLUS
CN L-Valinamide, L-isoleucyl-L-valyl-L-cysteinyl-L-prolyl-L-arginyl-L-leucyl-L-cysteinyl-L-tyrosyl-L-valylglycylglycyl-L-lysyl-L-alanyl-L-leucyl-L-cysteinyl-L-prolyl-L-α-aspartyl-L-valyl-L-cysteinyl-L-tyrosyl-, cyclic (3→19)-disulfide (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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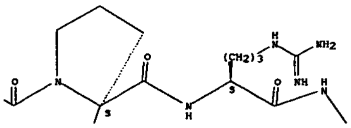

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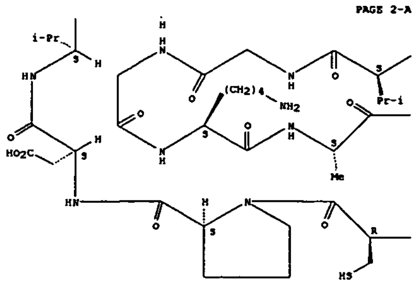

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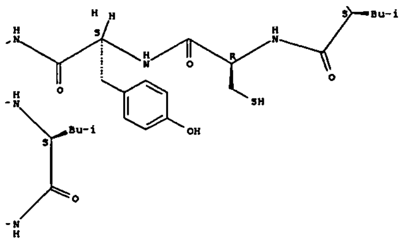

RN 408494-22-4 HCAPLUS
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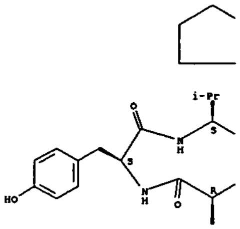
Absolute stereochemistry.

PAGE 1-B



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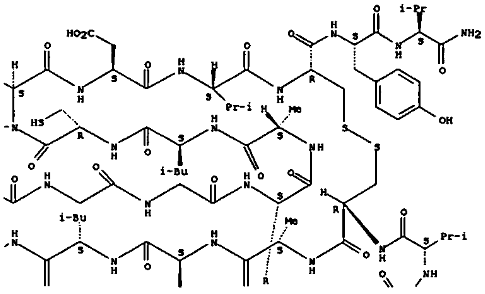

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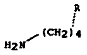
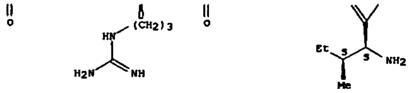


PAGE 2-B

PAGE 2-C



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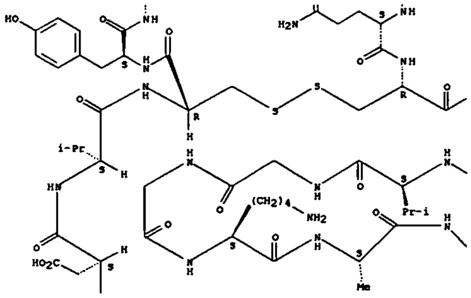
Absolute stereochemistry.

PAGE 1-A

PAGE 2-A



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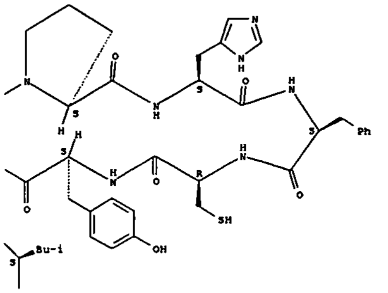

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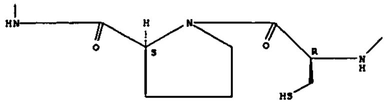

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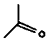

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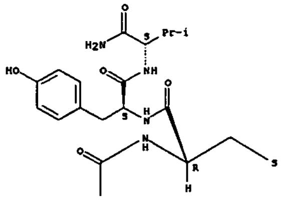
Absolute stereochemistry.

PAGE 1-A



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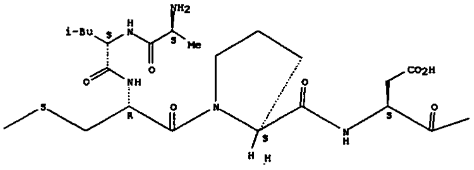

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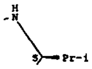

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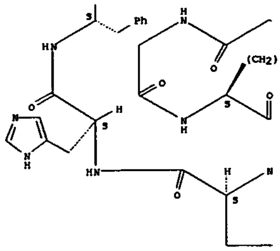

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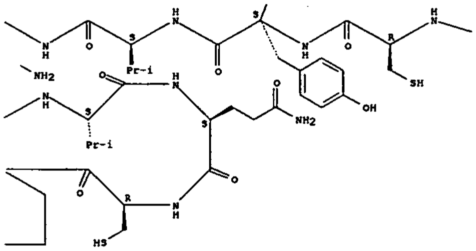

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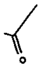

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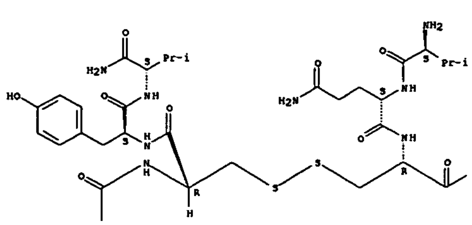
Absolute stereochemistry.

PAGE 1-A



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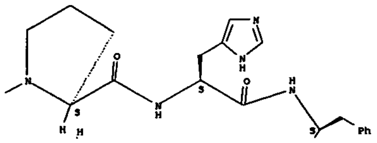

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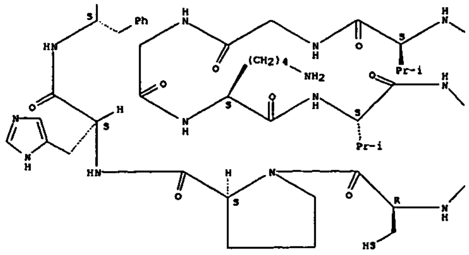

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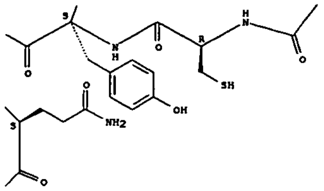

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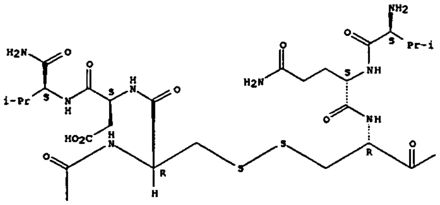
Absolute stereochemistry.

PAGE 1-A



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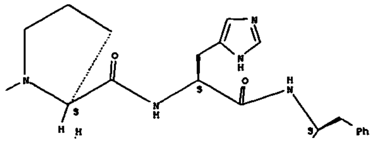

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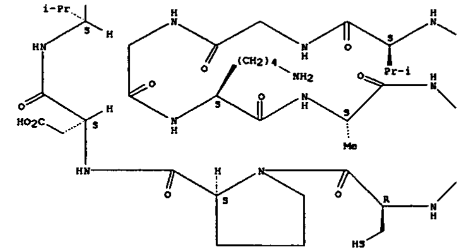

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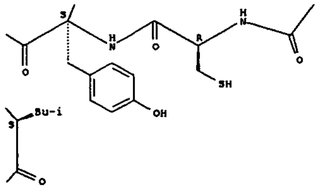

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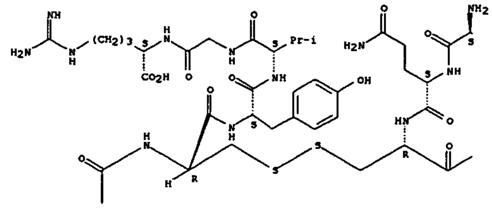
Absolute stereochemistry.

PAGE 1-A



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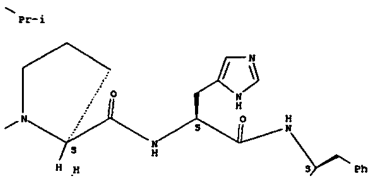

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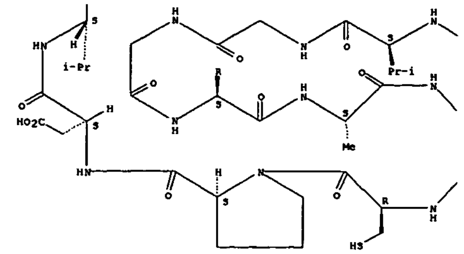

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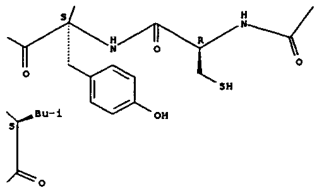

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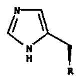

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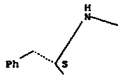
Absolute stereochemistry.

PAGE 1-A



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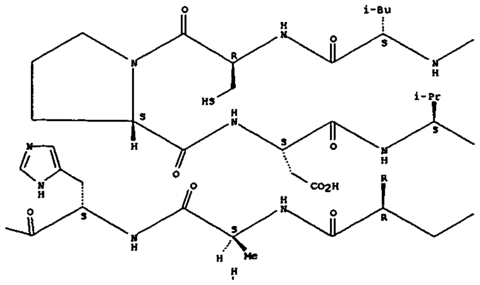

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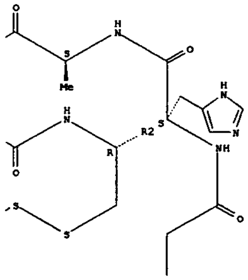

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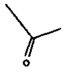

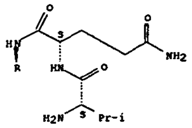

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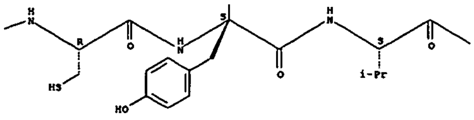

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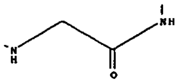

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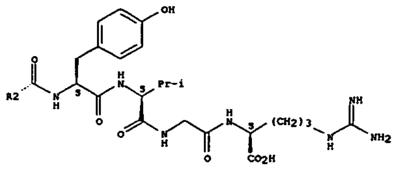

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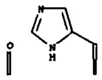
Absolute stereochemistry.

PAGE 1-B



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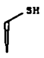

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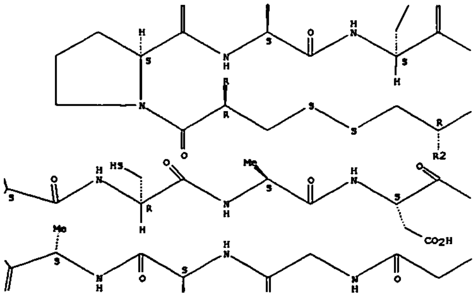
PAGE 2-B



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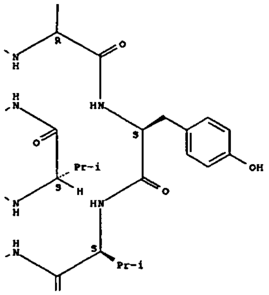

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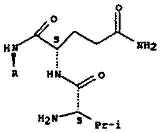

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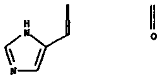

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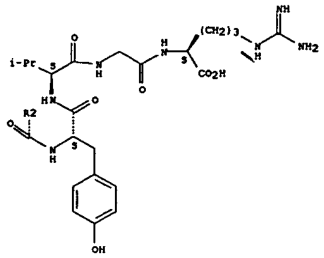
PAGE 4-A



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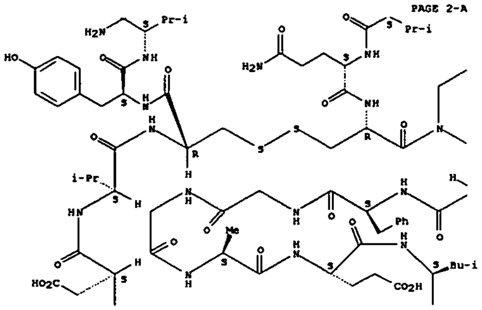
Absolute stereochemistry.

PAGE 1-A

PAGE 2-A



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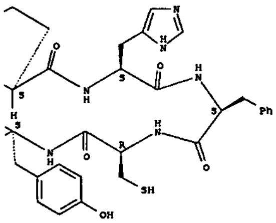

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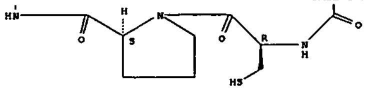

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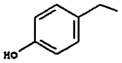
PAGE 1-A



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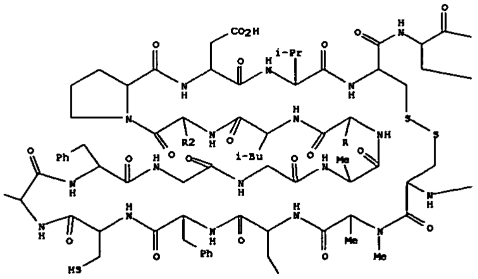

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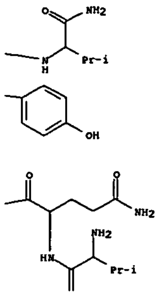

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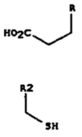

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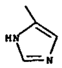

PAGE 2-C

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     alanyl-L-α-glutamyl-L-leucyl-L-cysteinyl-L-prolyl-L-α-aspartyl-
     L-valyl-L-cysteinyl-L-tyrosyl-, cyclic (3→19)-disulfide (9CI)  (CA
     INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
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CN   L-Valinamide, L-valyl-L-glutaminyl-L-cysteinyl-(2R)-2-piperidinecarbonyl-L-
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     alanyl-L-α-glutamyl-L-leucyl-L-cysteinyl-L-prolyl-L-α-aspartyl-
     L-valyl-L-cysteinyl-L-tyrosyl-, cyclic (3→19)-disulfide (9CI)  (CA
     INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
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     alanyl-L-α-glutamyl-L-leucyl-L-cysteinyl-N-methyl-L-alanyl-L-α-
     aspartyl-L-valyl-L-cysteinyl-L-tyrosyl-, cyclic (3→19)-disulfide
     (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
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     α-glutamyl-L-leucyl-L-cysteinyl-N-methyl-L-alanyl-L-α-aspartyl-
     L-valyl-L-cysteinyl-L-tyrosyl-, cyclic (3→19)-disulfide (9CI)  (CA
     INDEX NAME)

Absolute stereochemistry.
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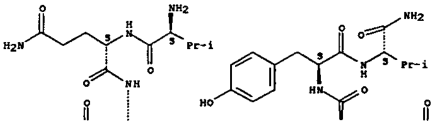
PAGE 1-C



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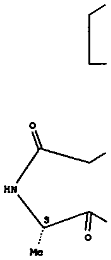

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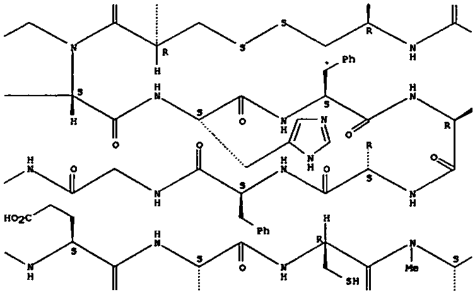

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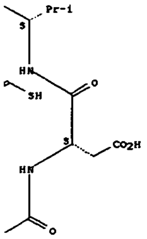

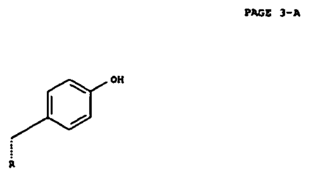

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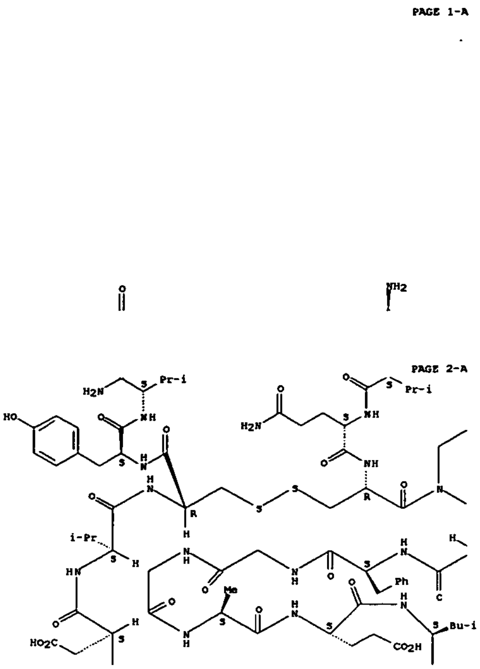
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

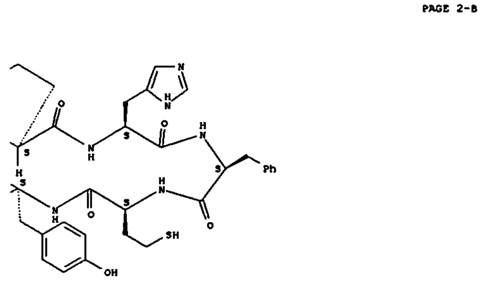
RN 408494-37-1 HCAPLUS
CN L-Valinamide, L-valyl-L-glutaminyl-L-cysteinyl-L-prolyl-L-histidyl-L-phenylalanyl-L-cysteinyl-L-tyrosyl-L-phenylalanylglycylglycyl-L-alanyl-L-α-glutamyl-L-leucyl-L-cysteinyl-(2R)-2-piperidinecarbonyl-L-α-aspartyl-L-valyl-L-cysteinyl-L-tyrosyl-, cyclic (3→19)-disulfide (9CI) (CA INDEX NAME)

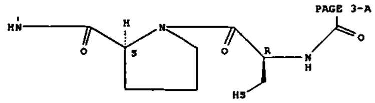
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 408494-38-2 HCAPLUS
CN L-Valinamide, L-valyl-L-glutaminyl-L-cysteinyl-L-prolyl-L-histidyl-L-phenylalanyl-L-homocysteinyl-L-tyrosyl-L-phenylalanylglycylglycyl-L-alanyl-L-α-glutamyl-L-leucyl-L-cysteinyl-L-prolyl-L-α-aspartyl-L-valyl-L-cysteinyl-L-tyrosyl-, cyclic (3→19)-disulfide (9CI) (CA INDEX NAME)

Absolute stereochemistry.







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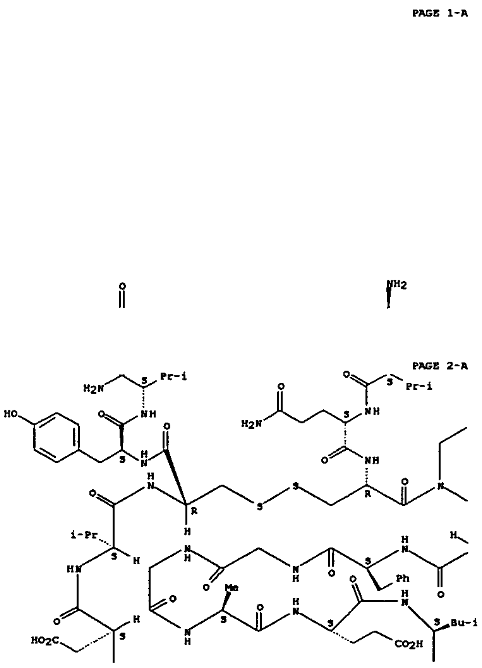
Absolute stereochemistry.



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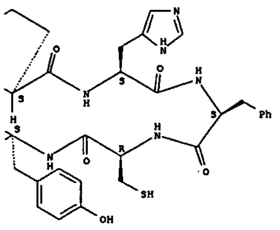

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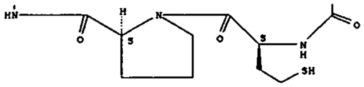

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CN L-Valinamide, L-valyl-L-glutaminyl-L-cysteinyl-L-prolyl-L-histidyl-L-
phenylalanyl-L-cysteinyl-L-tyrosyl-L-phenylalanylglycylglycyl-L-alanyl-L-
α-glutamyl-L-leucyl-L-cysteinyl-L-prolyl-L-α-aspartyl-L-valyl-
L-homocysteinyl-L-tyrosyl-, cyclic (3→19)-disulfide (9CI) (CA
INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 408494-41-7 HCAPLUS
CN L-Valinamide, L-valyl-L-glutaminyl-L-cysteinyl-L-prolyl-L-histidyl-L-
phenylalanyl-L-cysteinyl-L-tyrosyl-L-α-glutamyl-L-leucyl-L-α-
aspartyl-L-tyrosyl-L-α-glutamyl-L-leucyl-L-cysteinyl-L-prolyl-L-
α-aspartyl-L-valyl-L-cysteinyl-L-tyrosyl-, cyclic
(3→19)-disulfide (9CI) (CA INDEX NAME)

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NH_2

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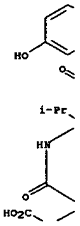

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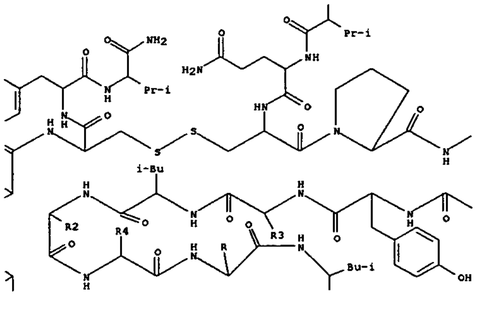

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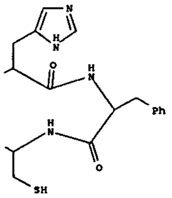

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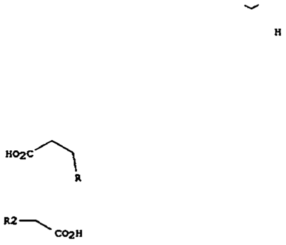

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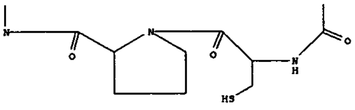

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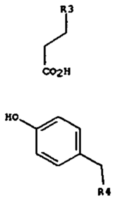

RN 408494-42-8 HCAPLUS
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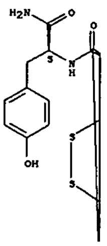
L-tyrosyl-L-α-glutamyl-L-leucyl-L-α-aspartyl-L-tyrosyl-L-
α-glutamyl-L-leucyl-L-cysteinyl-L-prolyl-L-α-aspartyl-L-valyl-

L-cysteinyl-, cyclic (1→17)-disulfide (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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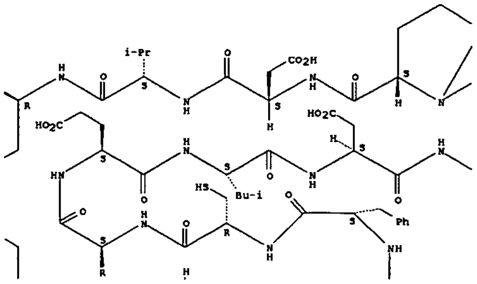

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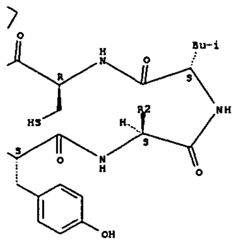

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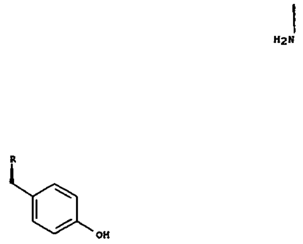

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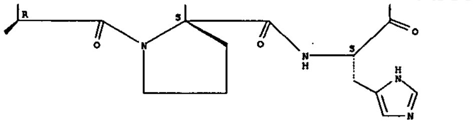

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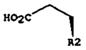
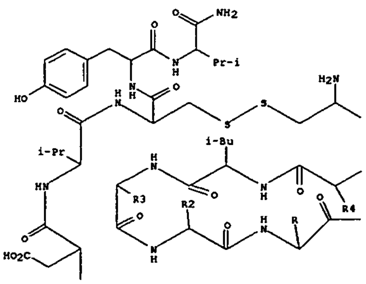


RN 408494-43-9 HCAPLUS

CN L-Valinamide, L-cysteinyl-L-prolyl-L-histidyl-L-phenylalanyl-L-cysteinyl-L-tyrosyl-L-α-glutamyl-L-leucyl-L-α-aspartyl-L-tyrosyl-L-α-glutamyl-L-leucyl-L-cysteinyl-L-prolyl-L-α-aspartyl-L-valyl-L-cysteinyl-L-tyrosyl-, cyclic (1→17)-disulfide (9CI) (CA INDEX NAME)

PAGE 1-A



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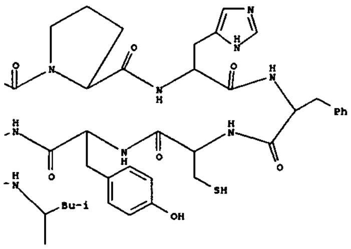

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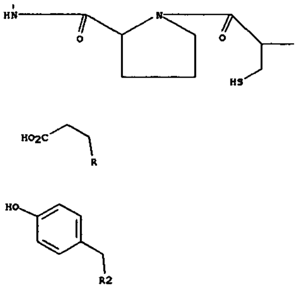

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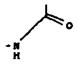

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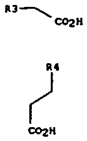

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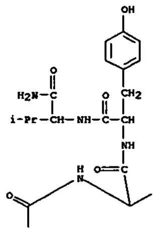
PAGE 1-A



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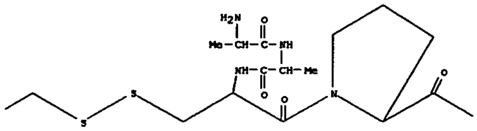

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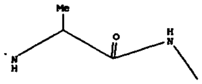

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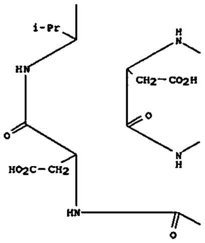

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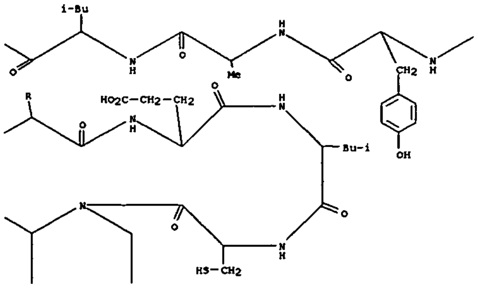

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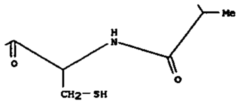

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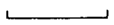
PAGE 3-B



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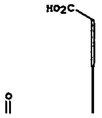
Absolute stereochemistry.

PAGE 1-C



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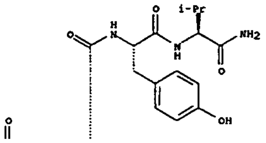

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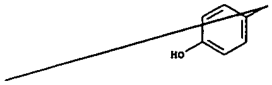

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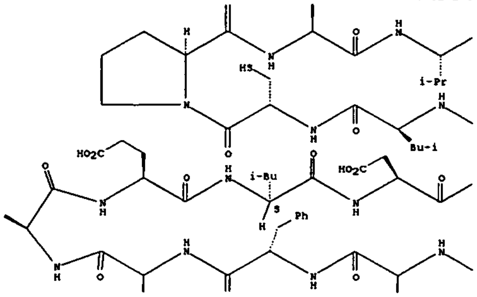

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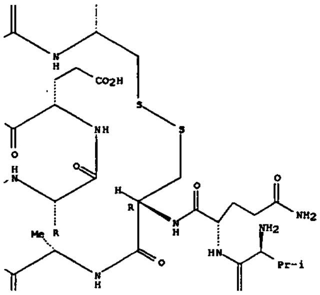

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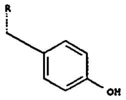

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RN 408494-46-2 HCAPLUS
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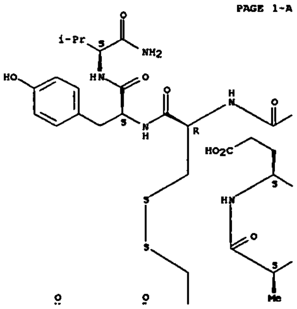
Absolute stereochemistry.

PAGE 1-A



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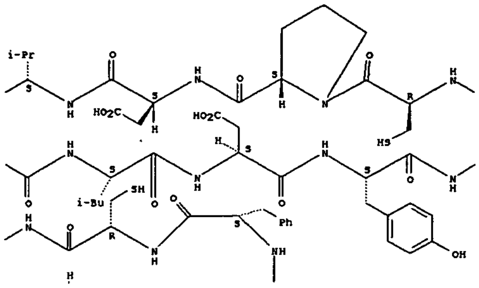

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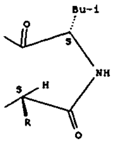

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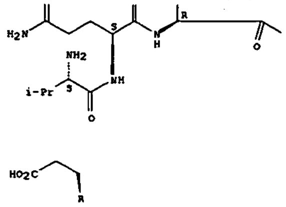

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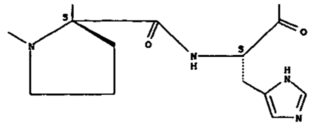

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aspartyl-L-tyrosyl-L-α-glutamyl-L-leucyl-L-cysteinyl-L-prolyl-L-
α-aspartyl-L-valyl-L-cysteinyl-L-tyrosyl-, cyclic
(3→19)-disulfide (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
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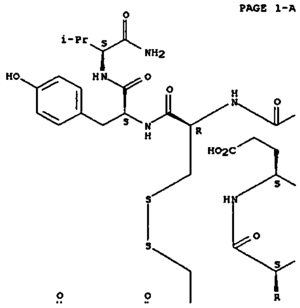
CN L-Valinamide, L-valyl-L-glutaminyl-L-cysteinyl-L-prolyl-L-histidyl-L-
phenylalanyl-L-cysteinyl-L-tyrosyl-L-α-glutamyl-L-leucyl-L-alanyl-L-
tyrosyl-L-α-glutamyl-L-leucyl-L-cysteinyl-L-prolyl-L-α-
aspartyl-L-valyl-L-cysteinyl-L-tyrosyl-, cyclic (3→19)-disulfide
(9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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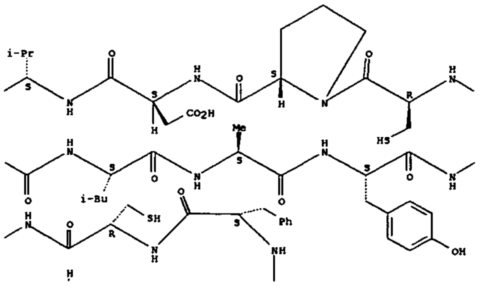

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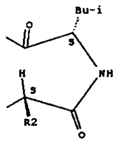

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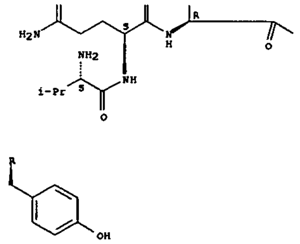

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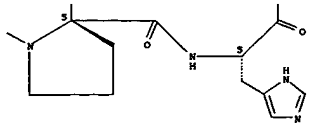

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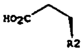

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Absolute stereochemistry.

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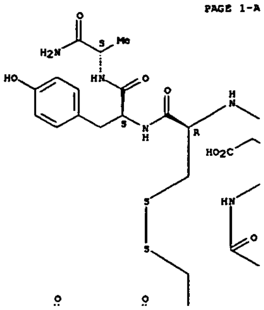

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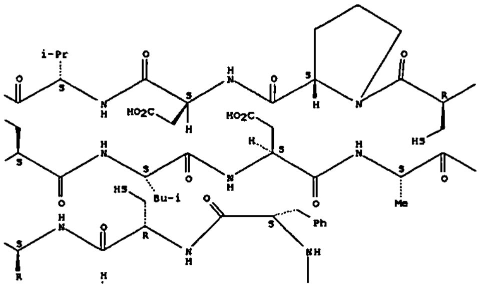

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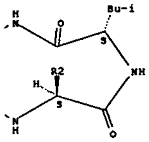

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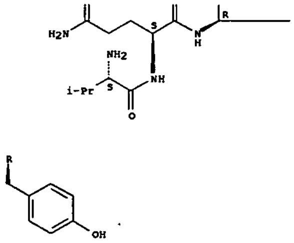

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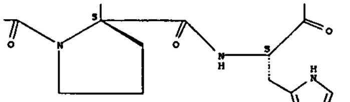

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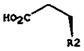
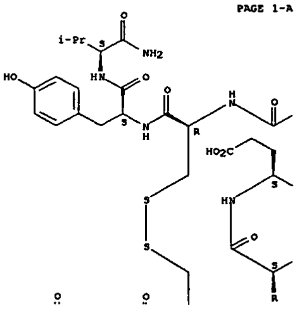


RN 408494-50-8 HCAPLUS
CN L-Valinamide, L-valyl-L-glutaminyl-L-cysteinyl-L-prolyl-L-histidyl-L-phenylalanyl-L-cysteinyl-L-tyrosyl-L-α-glutamyl-L-leucyl-L-α-aspartyl-L-tyrosyl-L-alanyl-L-leucyl-L-cysteinyl-L-prolyl-L-α-aspartyl-L-valyl-L-cysteinyl-L-tyrosyl-, cyclic (3→19)-disulfide (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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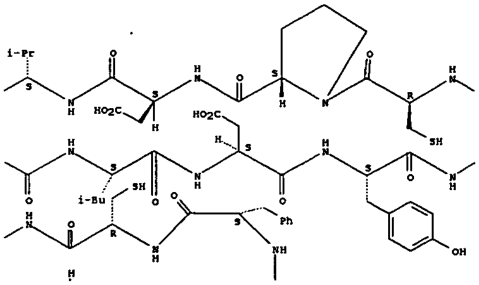

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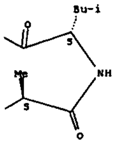
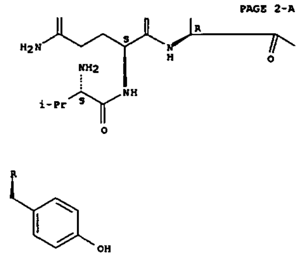
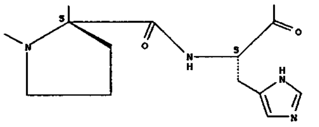


PAGE 2-A



PAGE 2-B



RN 408494-51-9 HCAPLUS

CN L-Valinamide, L-valyl-L-glutaminyl-L-cysteinyl-L-prolyl-L-histidyl-L-

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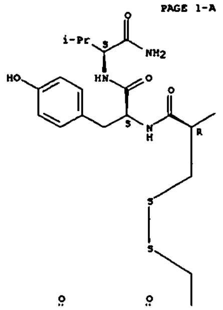
phenylalanyl-L-cysteinyl-L-tyrosyl-L-alanyl-L-alanyl-L-alanyl-L-alanyl-L-alanyl-L-leucyl-L-cysteinyl-L-prolyl-L-α-aspartyl-L-valyl-L-cysteinyl-L-tyrosyl-, cyclic (3→19)-disulfide (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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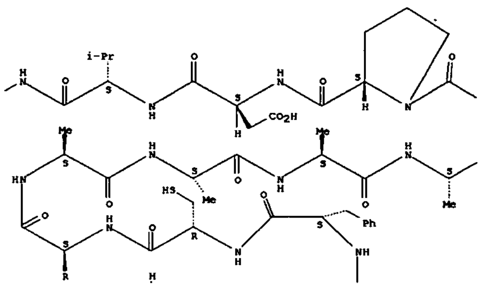

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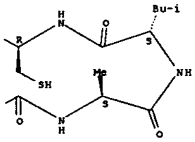

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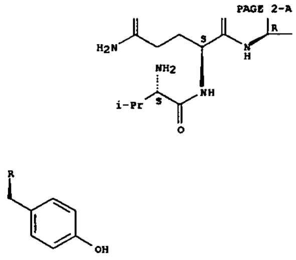

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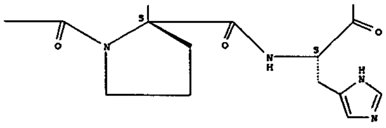
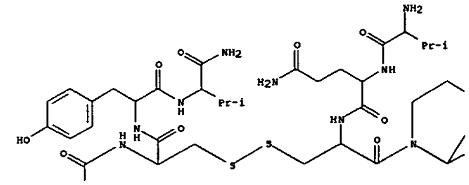


RN 408494-52-0 HCAPLUS

CN L-Valinamide, L-valyl-L-glutaminyl-L-cysteinyl-L-prolyl-L-histidyl-L-phenylalanyl-L-cysteinyl-L-tyrosyl-L-α-glutamyl-L-leucyl-L-α-aspartyl-L-tyrosyl-L-α-glutamyl-L-alanyl-L-cysteinyl-L-prolyl-L-α-aspartyl-L-valyl-L-cysteinyl-L-tyrosyl-, cyclic (3→19)-disulfide (9CI) (CA INDEX NAME)

PAGE 1-B



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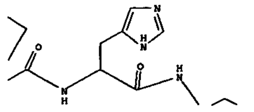

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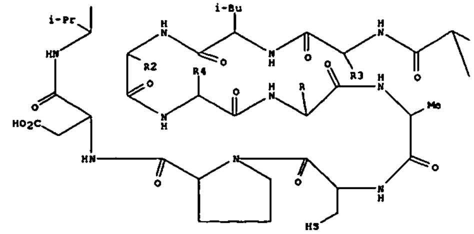
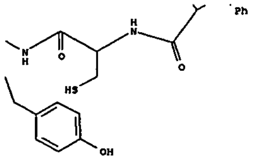


PAGE 2-C



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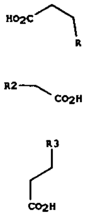
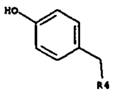


PAGE 4-A



RN 408494-53-1 HCAPLUS
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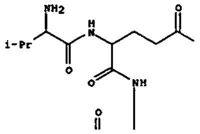
PAGE 1-B



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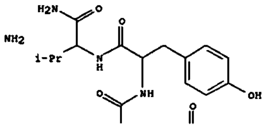

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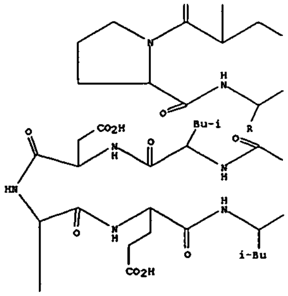

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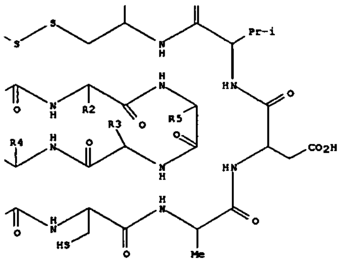
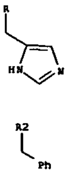
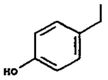


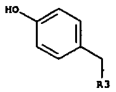
PAGE 3-A

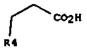


PAGE 3-B



PAGE 4-A





RN 408494-54-2 HCAPLUS
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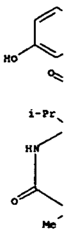
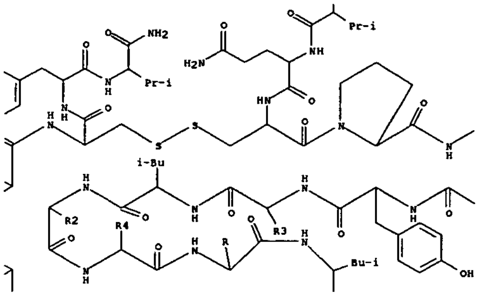
PAGE 2-A



PAGE 2-B



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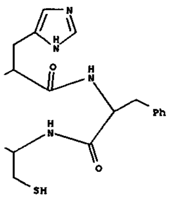

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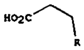

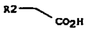

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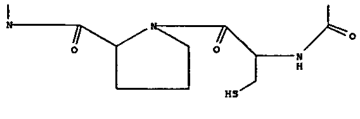

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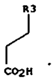

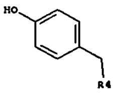

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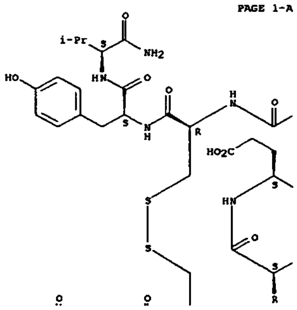
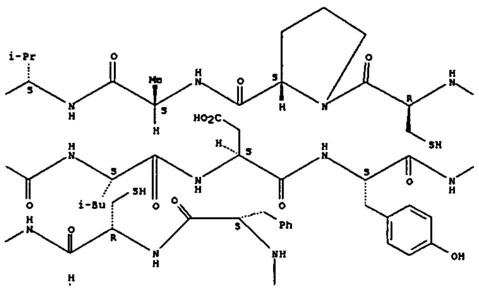
Absolute stereochemistry.

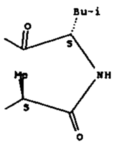
PAGE 1-A



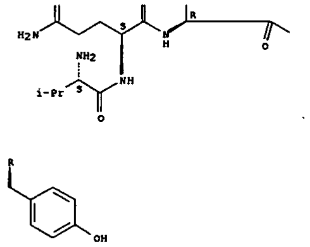
PAGE 1-B



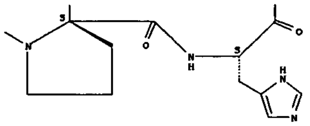
PAGE 1-C



PAGE 2-A



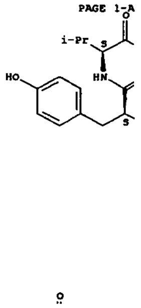
PAGE 2-B



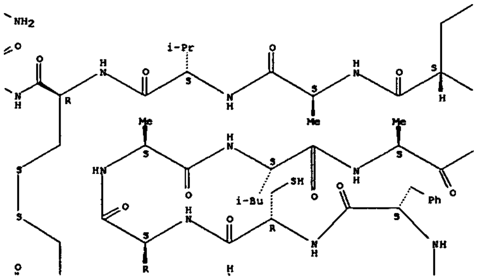
RN 408494-56-4 HCAPLUS
CN L-Valinamide, L-valyl-L-glutaminyl-L-cysteinyl-L-prolyl-L-histidyl-L-phenylalanyl-L-cysteinyl-L-tyrosyl-L-alanyl-L-leucyl-L-alanyl-L-tyrosyl-L-alanyl-L-leucyl-L-cysteinyl-L-prolyl-L-alanyl-L-valyl-L-cysteinyl-L-tyrosyl-, cyclic (3→19)-disulfide (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



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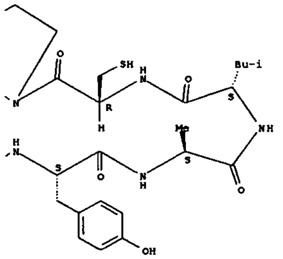

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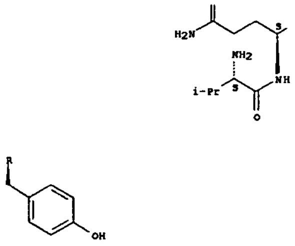

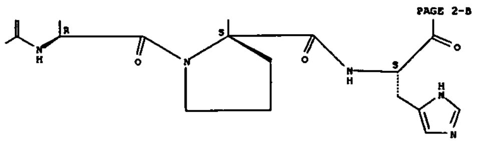

RN 408494-57-5 HCAPLUS
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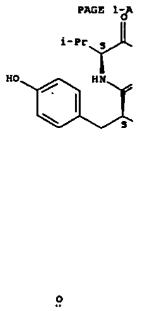
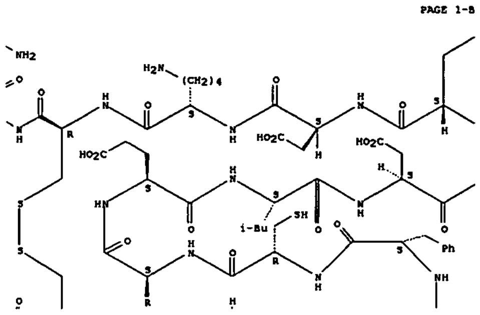
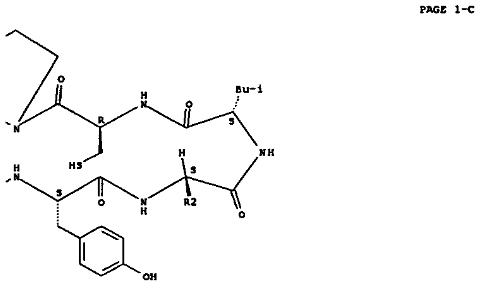
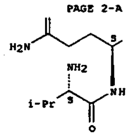
phenylalanyl-L-cysteinyl-L-tyrosyl-L-α-glutamyl-L-leucyl-L-α-
aspartyl-L-tyrosyl-L-α-glutamyl-L-leucyl-L-cysteinyl-L-prolyl-L-
α-aspartyl-L-lysyl-L-cysteinyl-L-tyrosyl-, cyclic
(3→19)-disulfide (9CI) (CA INDEX NAME)

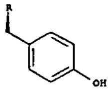
Absolute stereochemistry.

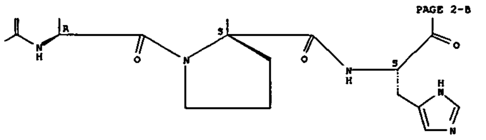












RN 408494-58-6 HCAPLUS
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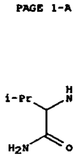
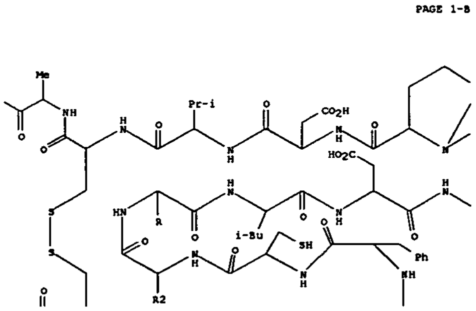
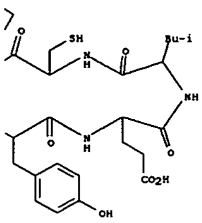
phenylalanyl-L-cysteinyl-L-tyrosyl-L-α-glutamyl-L-leucyl-L-α-
aspartyl-L-tyrosyl-L-α-glutamyl-L-leucyl-L-cysteinyl-L-prolyl-L-
α-aspartyl-L-valyl-L-cysteinyl-L-alanyl-, cyclic
(3→19)-disulfide (9CI) (CA INDEX NAME)

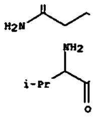


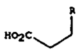


PAGE 1-C

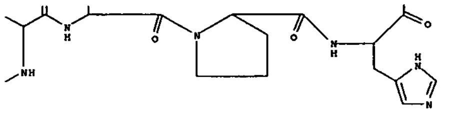


PAGE 2-A

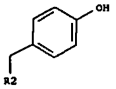




PAGE 2-B



PAGE 3-A



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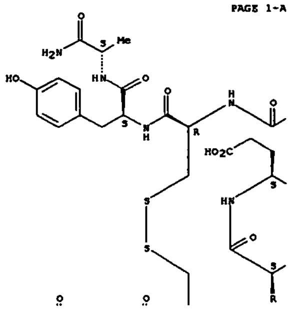
Absolute stereochemistry.

PAGE 1-A



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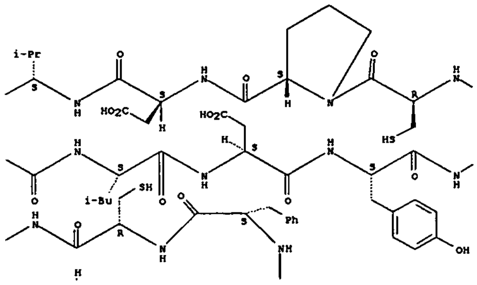
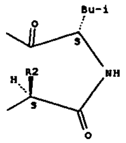
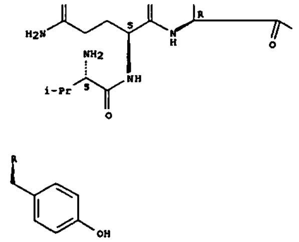


PAGE 1-C



PAGE 2-A



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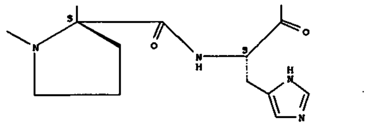

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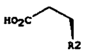


REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 10 OF 75 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2002:112596 HCAPLUS
DOCUMENT NUMBER: 136:320633
TITLE: Initial Disulfide Formation Steps in the Folding of an ω-Conotoxin
AUTHOR(S): Price-Carter, Marian; Bulaj, Grzegorz; Goldenberg, David P.
CORPORATE SOURCE: Department of Biology, University of Utah, Salt Lake City, UT, 84112-0840, USA
SOURCE: Biochemistry (2002), 41(10), 3507-3519
CODEN: BICHAW; ISSN: 0006-2960

PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English

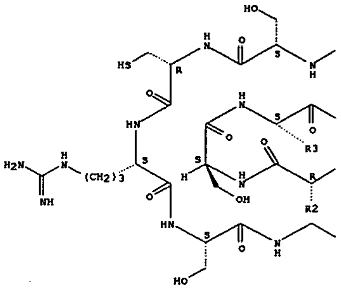
IT 413494-49-2 413495-07-5
RL: BSU (Biological study, unclassified); FMU (Formation, unclassified); PRP (Properties); RCT (Reactant); BIOL (Biological study); FORM (Formation, nonpreparative); RACT (Reactant or reagent)
(amino acid sequence; initial disulfide formation steps in folding of ω-conotoxin)

RN 413494-49-2 HCAPLUS

CN Glycine, L-alanyl-L-lysylglycyl-L-lysylglycyl-L-alanyl-L-lysyl-L-cysteinyl-L-seryl-L-arginyl-L-leucyl-L-methionyl-L-tyrosyl-L-α-aspartyl-L-cysteinyl-L-alanyl-L-threonylglycyl-L-seryl-L-cysteinyl-L-arginyl-L-serylglycyl-L-lysyl-L-cysteinyl-, cyclic (8→25)-disulfide (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-B



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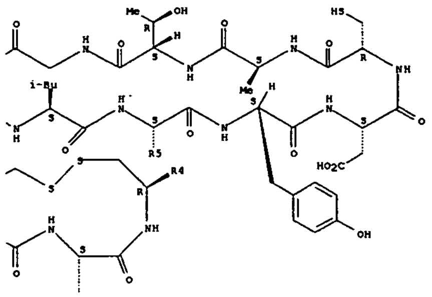

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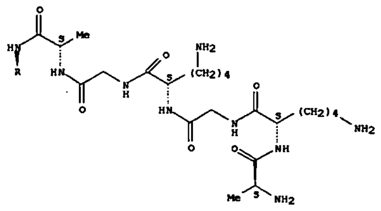

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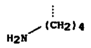

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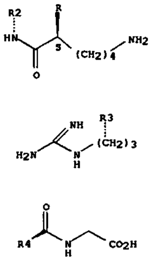

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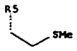
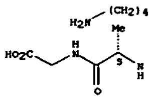


RN 413495-07-5 HCAPLUS

CN Glycine, L-cysteinyl-L-lysylglycyl-L-lysylglycyl-L-alanyl-L-lysyl-L-cysteinyl-L-seryl-L-arginyl-L-leucyl-L-methionyl-L-tyrosyl-L-α-aspartyl-L-alanyl-L-cysteinyl-L-threonylglycyl-L-seryl-L-cysteinyl-L-arginyl-L-serylglycyl-L-lysyl-L-alanyl-, cyclic (1→20)-disulfide (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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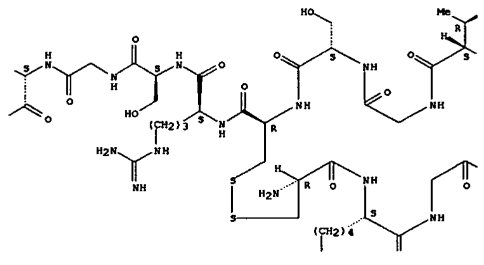

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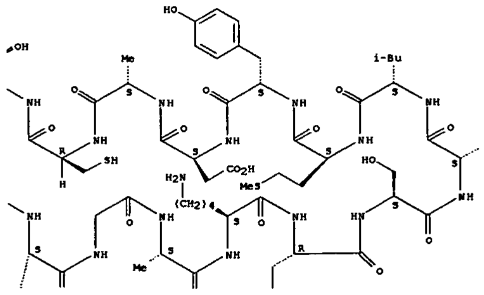

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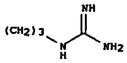

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PAGE 2-C

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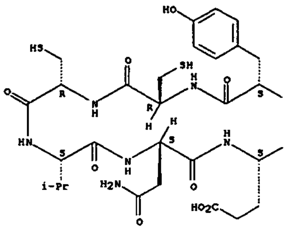
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16  ANSWER 11 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        2002:109084  HCAPLUS
DOCUMENT NUMBER:         136:395649
TITLE:                   A cyclic pentapeptide derived from the second EGF-like
                         domain of factor VII is an inhibitor of tissue factor
                         dependent coagulation and thrombus formation
AUTHOR(S):               Orning, Lars; Fischer, Peter M.; Hu, Chin-Kao; Agner,
                         Erik; Engebretsen, May; Husbyn, Mette; Petersen,
                         Lizette B.; Orvim, Una; Llinas, Miguel; Sakariassen,
                         Kjell S.
CORPORATE SOURCE:        Nycomed Imaging AS, Oslo, Norway
SOURCE:                  Thrombosis and Haemostasis (2002), 87(1),
                         13-21
                         CODEN: THHADQ; ISSN: 0340-6245
PUBLISHER:               Schattauer GmbH
DOCUMENT TYPE:           Journal
LANGUAGE:                English
IT   192209-67-9
     RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
     (Biological study); USES (Uses)
        (cyclic pentapeptide derived from second EGF-like domain of factor VII
        as inhibitor of tissue factor dependent coagulation and thrombus
        formation)
RN   192209-67-9  HCAPLUS
CN   Cyclo(L-asparaginyl-L-α-glutamyl-L-asparaginylglycylglycyl-L-
     cysteinyl-L-α-glutamyl-L-glutaminyl-L-tyrosyl-L-cysteinyl-L-
     cysteinyl-L-valyl) (9CI)  (CA INDEX NAME)
```

Absolute stereochemistry.

PAGE 1-A



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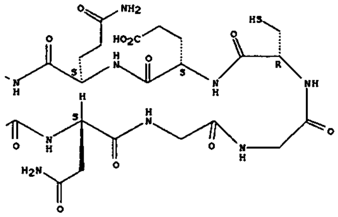

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L16  ANSWER 12 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        2001:775656  HCAPLUS
DOCUMENT NUMBER:         136:112295
TITLE:                   Cyclo19,31[D-Cys19]-uPA19-31 is a potent competitive
                         antagonist of the interaction of urokinase-type
                         plasminogen activator with its receptor (CD87)
AUTHOR(S):               Magdolen, Viktor; Burgle, Markus; Arroyo De Prada,
                         Nuria; Schmiedeberg, Niko; Riemer, Christoph;
                         Schroeck, Florian; Kellermann, Josef; Degitz, Klaus;
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                         Wilhelm, Olaf G.; Schmitt, Manfred; Kessler, Horst
CORPORATE SOURCE:        Frauenklinik der Technischen Universitat Munchen,
                         Munchen, D-81675, Germany
SOURCE:                  Biological Chemistry (2001), 382(8),
                         1197-1205
                         CODEN: BICHF3; ISSN: 1431-6730
PUBLISHER:               Walter de Gruyter GmbH & Co. KG
DOCUMENT TYPE:           Journal
LANGUAGE:                English
IT   390391-12-5 390391-14-7
     RL: PAC (Pharmacological activity); PRP (Properties); BIOL (Biological
     study)
        (cyclo19,31[D-Cys19]-uPA19-31 is a potent competitive antagonist of the
        interaction of urokinase-type plasminogen activator with its receptor
        (CD87))
RN   390391-12-5  HCAPLUS
CN   L-Cysteine, L-cysteinyl-L-valyl-L-cysteinyl-L-asparaginyl-L-lysyl-L-
     tyrosyl-(αS)-α-aminobenzenebutanoyl-L-seryl-L-asparaginyl-L-
     isoleucyl-L-cysteinyl-L-tryptophyl-, cyclic (1→13)-disulfide (9CI)
     (CA INDEX NAME)
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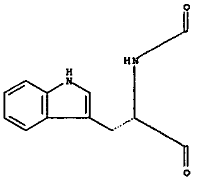
Absolute stereochemistry.

PAGE 1-A



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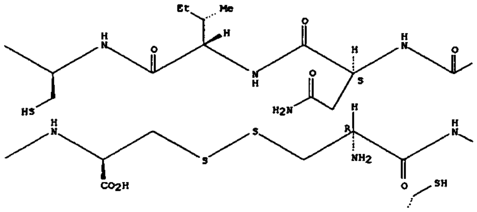

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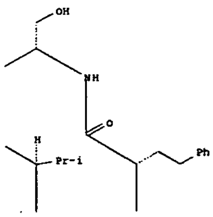

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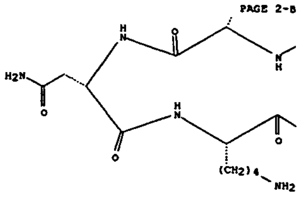

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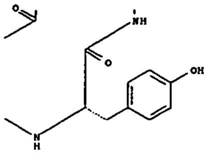
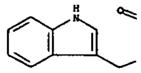
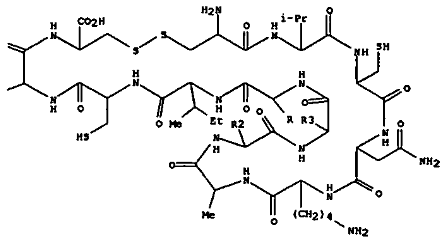


RN 390391-14-7 HCAPLUS
CN L-Cysteine, L-cysteinyl-L-valyl-L-cysteinyl-L-asparaginyl-L-lysyl-L-alanyl-L-phenylalanyl-L-seryl-L-asparaginyl-L-isoleucyl-L-cysteinyl-L-tryptophyl-, cyclic (1→13)-disulfide (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



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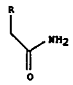
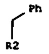
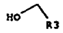






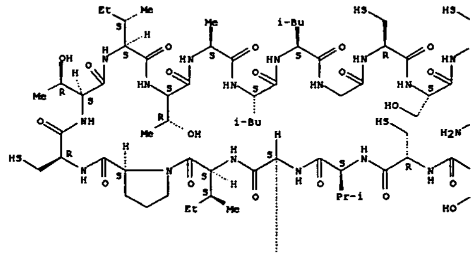
REFERENCE COUNT: 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 13 OF 75 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:628027 HCAPLUS
DOCUMENT NUMBER: 135:341520
TITLE: First cyclotide from Hybanthus (Violaceae)
AUTHOR(S): Broussalis, A. M.; Goransson, U.; Coussio, J. D.; Ferraro, G.; Martino, V.; Claeson, P.
CORPORATE SOURCE: Facultad de Farmacia y Bioquimica, Catedra de Farmacognosia, Instituto de Quimica y Metabolismo del Farmaco (IQUIMEFA), Universidad de Buenos Aires, (UBA-CONICET), Argent.
SOURCE: Phytochemistry (2001), 58(1), 47-51
CODEN: PYTCAS; ISSN: 0031-9422

PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
IT **371161-25-0**, Hypa A
RL: PRP (Properties)
(first cyclotide from Hybanthus (Violaceae))
RN 371161-25-0 HCAPLUS
CN Cyclo(L-alanyl-L-α-glutamyl-L-seryl-L-cysteinyl-L-valyl-L-tyrosyl-L-isoleucyl-L-prolyl-L-cysteinyl-L-threonyl-L-isoleucyl-L-threonyl-L-alanyl-L-leucyl-L-leucylglycyl-L-cysteinyl-L-seryl-L-cysteinyl-L-lysyl-L-asparaginyl-L-lysyl-L-valyl-L-cysteinyl-L-tyrosyl-L-asparaginylglycyl-L-isoleucyl-L-prolyl-L-cysteinyl) (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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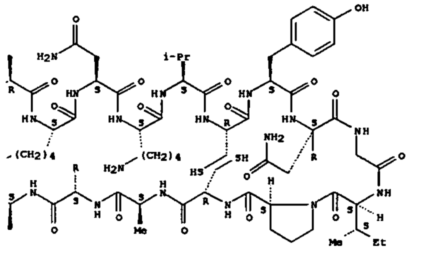

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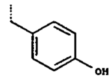
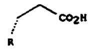




REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 14 OF 75 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:327131 HCAPLUS
DOCUMENT NUMBER: 135:92826
TITLE: A Thioester Ligation Approach to Amphipathic Bicyclic Peptide Library
AUTHOR(S): Sun, Ying; Lu, Guishen; Tam, James P.
CORPORATE SOURCE: Institute of Materia Medica, Chinese Academy of Medical Sciences, Beijing, 100050, Peop. Rep. China
SOURCE: Organic Letters (2001), 3(11), 1681-1684
CODEN: ORLEF7; ISSN: 1523-7060
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 135:92826
IT **349566-52-5P 349566-55-8P 349566-57-0P**
349566-59-2P 349566-62-7P 349566-64-9P
349566-65-0P 349566-67-2P 349566-70-7P

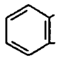
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)
(preparation of an amphipathic bicyclic peptide library using a thioester ligation approach)

RN 349566-52-5 HCAPLUS

CN Cyclo(L-arginylglycyl-L-isoleucyl-L-cysteinyl-L-tryptophyl-L-seryl-L-glutaminyl-L-tyrosyl-L-leucyl-L-cysteinyl-L-lysyl-L-tyrosyl-L-seryl-L-seryl) (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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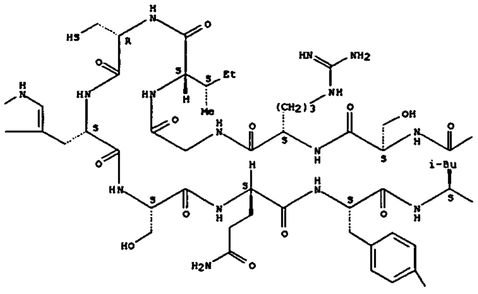

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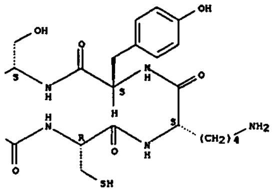


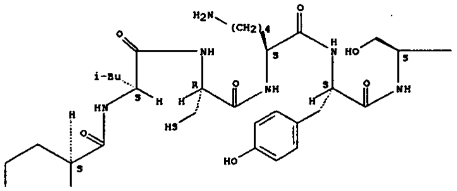
PAGE 2-B

RN 349566-55-8 HCAPLUS

CN Cyclo(L-arginylglycyl-L-isoleucyl-L-cysteinyl-L-tryptophyl-L-seryl-L-glutaminyl-L-prolyl-L-leucyl-L-cysteinyl-L-lysyl-L-tyrosyl-L-seryl-L-seryl) (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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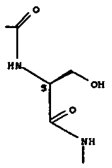

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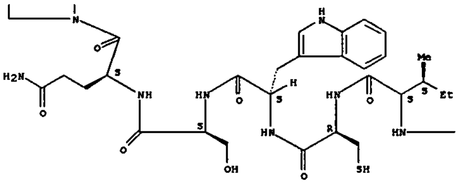

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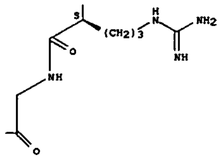
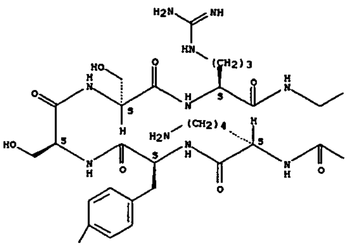


RN 349566-57-0 HCAPLUS

CN Cyclo(L-arginylglycyl-L-isoleucyl-L-cysteinyl-L-tryptophyl-L-seryl-L-glutaminyl-L-phenylalanyl-L-leucyl-L-cysteinyl-L-lysyl-L-tyrosyl-L-seryl-L-seryl) (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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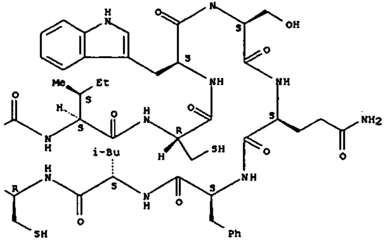


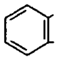
PAGE 2-A

RN 349566-59-2 HCAPLUS
CN Cyclo(L-alanyl-L-glutaminyl-L-tyrosyl-L-leucyl-L-cysteinyl-L-lysyl-L-

tyrosyl-L-seryl-L-seryl-L-arginylglycyl-L-isoleucyl-L-cysteinyl-L-tryptophyl) (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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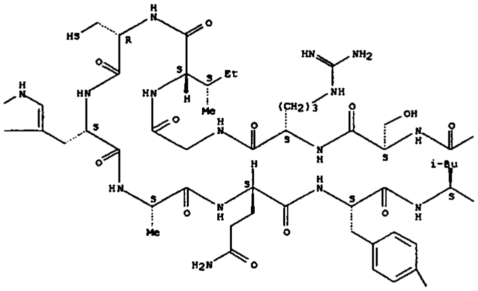

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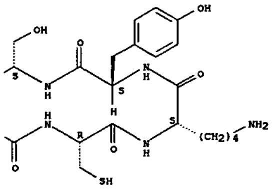
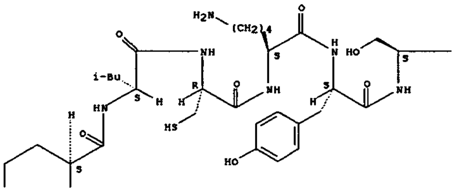


PAGE 2-B

RN 349566-62-7 HCAPLUS
CN Cyclo(L-alanyl-L-glutaminyl-L-prolyl-L-leucyl-L-cysteinyl-L-lysyl-L-tyrosyl-L-seryl-L-seryl-L-arginylglycyl-L-isoleucyl-L-cysteinyl-L-tryptophyl) (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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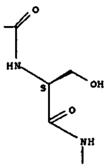

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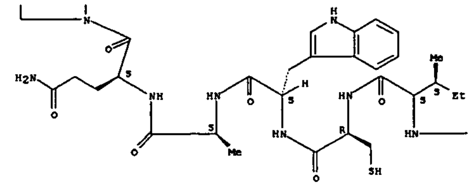

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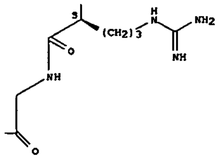

RN 349566-64-9 HCAPLUS
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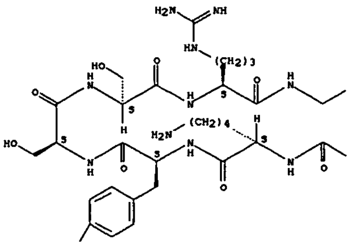
Absolute stereochemistry.

PAGE 1-A



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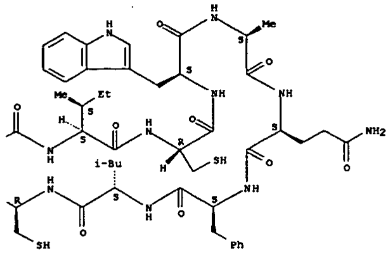


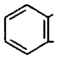
PAGE 2-A

RN 349566-65-0 HCAPLUS
CN Cyclo(L-arginylglycyl-L-isoleucyl-L-cysteinyl-L-tryptophyl-L-α-

aspartyl-L-glutaminyl-L-tyrosyl-L-leucyl-L-cysteinyl-L-lysyl-L-tyrosyl-L-seryl-L-seryl) (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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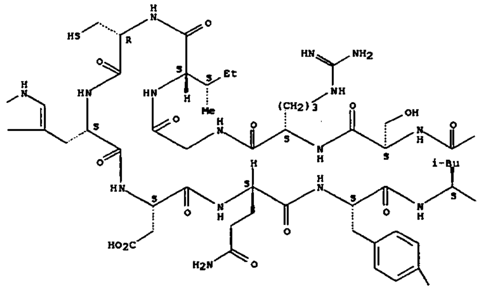

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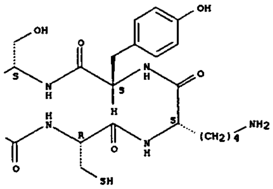
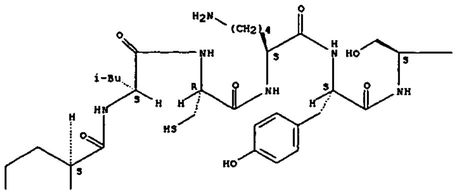


PAGE 2-B

RN 349566-67-2 HCAPLUS
CN Cyclo(L-arginylglycyl-L-isoleucyl-L-cysteinyl-L-tryptophyl-L-α-aspartyl-L-glutaminyl-L-prolyl-L-leucyl-L-cysteinyl-L-lysyl-L-tyrosyl-L-seryl-L-seryl) (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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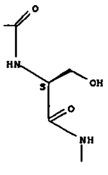

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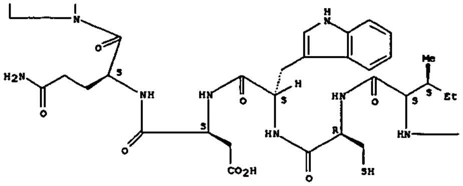

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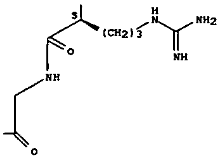

RN 349566-70-7 HCAPLUS

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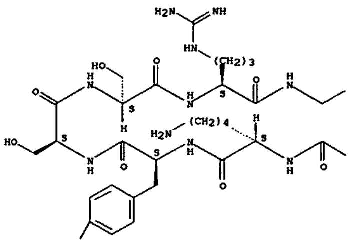
Absolute stereochemistry.

PAGE 1-A



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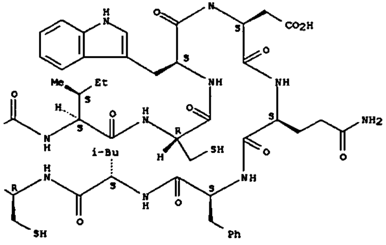


PAGE 2-A

IT 349566-80-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT

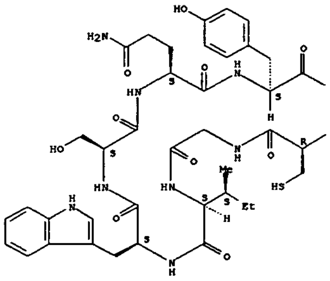
(Reactant or reagent)
(preparation of an amphipathic bicyclic peptide library using a thioester ligation approach)

RN 349566-80-9 HCAPLUS

CN Cyclo(L-arginyl-L-cysteinylglycyl-L-isoleucyl-L-tryptophyl-L-seryl-L-glutaminyl-L-tyrosyl-L-leucyl-L-cysteinyl-L-lysyl-L-tyrosyl-L-seryl-L-seryl) (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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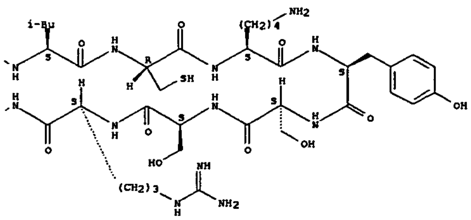

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REFERENCE COUNT:         32    THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16  ANSWER 15 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        2001:283988  HCAPLUS
DOCUMENT NUMBER:         134:320877
TITLE:                   Cyclic peptides as novel mols. for treatment of
                         disease conditions in animals and mammals (including
                         humans) and plants
INVENTOR(S):             Craik, David James; Daly, Norelle Lee; Waine, Clement
                         Waim-Kunduane
PATENT ASSIGNEE(S):      University of Queensland, Australia
SOURCE:                  PCT Int. Appl., 105 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:           Patent
LANGUAGE:                English
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
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     WO 2001027147        A1    20010419    WO 2000-AU1248         20001013 <--
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             HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
             LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
             SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
             YU, ZA, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
             CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
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     EP 1230263           A1    20020814    EP 2000-971116         20001013 <--
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             IE, SI, LT, LV, FI, RO, MK, CY, AL
     AU 784222            B2    20060223    AU 2001-10071          20001013 <--
     US 2003158096        A1    20030821    US 2002-121282         20020412 <--
     US 2006035819        A1    20060216    US 2005-120501         20050503 <--
PRIORITY APPLN. INFO.:                      AU 1999-3398        A  19991013 <--
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IT   334979-33-8 334979-40-7 334979-44-1
     334979-47-4 334979-50-9 334979-55-4
     334979-58-7
     RL: AGR (Agricultural use); BAC (Biological activity or effector, except
     adverse); BSU (Biological study, unclassified); THU (Therapeutic use);
     BIOL (Biological study); USES (Uses)
        (cyclic peptides as novel mols. for treatment of disease conditions in
        animals and mammals (including humans) and plants)
RN   334979-33-8  HCAPLUS
CN   Cyclo(L-arginyl-L-asparaginylglycyl-L-leucyl-L-prolyl-L-valyl-L-
     cysteinylglycyl-L-α-glutamyl-L-threonyl-L-cysteinyl-L-seryl-L-
     arginyl-L-leucyl-L-methionyl-L-tyrosyl-L-α-aspartyl-L-cysteinyl-L-
     asparaginyl-L-threonyl-L-prolylglycyl-L-cysteinyl-L-threonyl-L-cysteinyl-L-
     arginyl-L-serylglycyl-L-lysyl-L-cysteinyl-L-threonyl) (9CI)  (CA INDEX
     NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   334979-40-7  HCAPLUS
CN   Cyclo(L-arginyl-L-asparaginylglycyl-L-leucyl-L-prolyl-L-valyl-L-
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     cysteinylglycyl-L-α-glutamyl-L-threonyl-L-cysteinyl-L-
     valylglycylglycyl-L-cysteinyl-L-asparaginyl-L-threonyl-L-prolylglycyl-L-
     cysteinyl-L-threonyl-L-cysteinyl-L-arginylglycyl-L-α-aspartyl-L-
     valyl-L-cysteinyl-L-threonyl) (9CI)  (CA INDEX NAME)

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     valylglycylglycyl-L-threonyl-L-cysteinyl-L-asparaginyl-L-threonyl-L-
     prolylglycyl-L-cysteinyl-L-threonyl-L-cysteinyl-L-seryl-L-tryptophyl-L-
     prolyl-L-valyl-L-cysteinyl-L-threonyl) (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
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     asparaginylglycyl-L-tyrosyl-L-cysteinylglycyl-L-serylglycyl-L-seryl-L-
     α-aspartylglycylglycyl-L-valyl-L-cysteinyl-L-lysyl-L-lysyl-L-arginyl-
     L-seryl-L-tryptophyl-L-prolyl-L-cysteinyl-L-arginyl-L-arginyl-L-α-
     aspartyl-L-seryl-L-α-aspartyl-L-cysteinyl-L-prolylglycyl) (9CI)  (CA
     INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   334979-50-9  HCAPLUS
CN   Cyclo(L-arginyl-L-asparaginylglycyl-L-leucyl-L-prolyl-L-valyl-L-
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     valylglycylglycyl-L-threonyl-L-cysteinyl-L-asparaginyl-L-threonyl-L-
     prolylglycyl-L-cysteinyl-L-threonyl-L-cysteinyl-L-histidyl-D-phenylalanyl-
     L-arginyl-L-tryptophyl-L-cysteinyl-L-threonyl) (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   334979-55-4  HCAPLUS
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     valylglycylglycyl-L-threonyl-L-cysteinyl-L-asparaginyl-L-threonyl-L-
     prolylglycyl-L-cysteinyl-L-threonyl-L-cysteinyl-L-histidyl-D-phenylalanyl-
     L-arginyl-L-tryptophyl-L-asparaginyl-L-cysteinyl-L-threonyl) (9CI)  (CA
     INDEX NAME)

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     L-arginyl-L-asparaginylglycyl-L-leucyl-L-prolyl-L-valyl-L-cysteinylglycyl-
     L-α-glutamyl-L-threonyl-L-cysteinyl-L-valylglycylglycyl-L-threonyl-L-
     cysteinyl-L-asparaginyl-L-threonyl-L-prolylglycyl-L-cysteinyl-L-threonyl-L-
     cysteinyl-N-methyl-L-phenylalanyl-L-ornithyl-L-prolyl) (9CI)  (CA INDEX
     NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
REFERENCE COUNT:         10    THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS
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L16  ANSWER 16 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        2001:216274  HCAPLUS
DOCUMENT NUMBER:         135:18515
TITLE:                   Hepcidin, a urinary antimicrobial peptide synthesized
                         in the liver
AUTHOR(S):               Park, Christina H.; Valore, Erika V.; Waring, Alan J.;
                         Ganz, Tomas
CORPORATE SOURCE:        Departments of Medicine and Pathology, UCLA School of
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                         Medicine, Los Angeles, CA, 90059, USA
SOURCE:                  Journal of Biological Chemistry (2001),
                         276(11), 7806-7810
                         CODEN: JBCHA3; ISSN: 0021-9258
PUBLISHER:               American Society for Biochemistry and Molecular
                         Biology
DOCUMENT TYPE:           Journal
LANGUAGE:                English
IT   342790-21-0 342790-22-1 342790-23-2
     RL: BAC (Biological activity or effector, except adverse); BOC (Biological
     occurrence); BSU (Biological study, unclassified); PRP (Properties); BIOL
     (Biological study); OCCU (Occurrence)
        (sequence characterization and antimicrobial activity of)
RN   342790-21-0  HCAPLUS
CN   L-Threonine, L-α-aspartyl-L-threonyl-L-histidyl-L-phenylalanyl-L-
     prolyl-L-isoleucyl-L-cysteinyl-L-isoleucyl-L-phenylalanyl-L-cysteinyl-L-
     cysteinylglycyl-L-cysteinyl-L-cysteinyl-L-histidyl-L-arginyl-L-seryl-L-
     lysyl-L-cysteinylglycyl-L-methionyl-L-cysteinyl-L-cysteinyl-L-lysyl-,
     cyclic (7→13),(10→23),(11→22),(14→19)-
     tetrakis(disulfide) (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   342790-22-1  HCAPLUS
CN   L-Threonine, L-phenylalanyl-L-prolyl-L-isoleucyl-L-cysteinyl-L-isoleucyl-L-
     phenylalanyl-L-cysteinyl-L-cysteinylglycyl-L-cysteinyl-L-cysteinyl-L-
     histidyl-L-arginyl-L-seryl-L-lysyl-L-cysteinylglycyl-L-methionyl-L-
     cysteinyl-L-cysteinyl-L-lysyl-, cyclic (4→10),(7→20),(8.fwda
     rw.19),(11→16)-tetrakis(disulfide) (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
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CN   L-Threonine, L-isoleucyl-L-cysteinyl-L-isoleucyl-L-phenylalanyl-L-
     cysteinyl-L-cysteinylglycyl-L-cysteinyl-L-cysteinyl-L-histidyl-L-arginyl-L-
     seryl-L-lysyl-L-cysteinylglycyl-L-methionyl-L-cysteinyl-L-cysteinyl-L-
     lysyl-, cyclic (2→8),(5→18),(6→17),(9→14)-
     tetrakis(disulfide) (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
REFERENCE COUNT:         23    THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16  ANSWER 17 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        2001:133439  HCAPLUS
DOCUMENT NUMBER:         135:15885
TITLE:                   Co-ordination ability towards CuII of the 29-amino
                         acid residue trypsin inhibitor of squash and two of
                         its analogues
AUTHOR(S):               Mlynarz, Piotr; Valensin, Daniela; Kozlowski, Henryk;
                         Kowalik-Jankowska, Teresa; Otlewski, Jacek; Valensin,
                         Gianni; Gaggelli, Nicola
CORPORATE SOURCE:        Faculty of Chemistry, University of Wroclaw, Wroclaw,
                         50-383, Pol.
SOURCE:                  Journal of the Chemical Society, Dalton Transactions (
                         2001), (5), 645-652
                         CODEN: JCSDAA; ISSN: 1472-7773
PUBLISHER:               Royal Society of Chemistry
DOCUMENT TYPE:           Journal
LANGUAGE:                English
IT   343246-93-5 343246-95-7
     RL: BPR (Biological process); BSU (Biological study, unclassified); PRP
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     (Properties); BIOL (Biological study); PROC (Process)
        (coordination ability towards CuII of 29-amino acid residue trypsin
        inhibitor of squash and two of its analogs)
RN   343246-93-5  HCAPLUS
CN   Glycine, L-arginyl-L-valyl-L-cysteinyl-L-prolyl-L-arginyl-L-isoleucyl-L-
     leucyl-L-methionyl-L-α-glutamyl-L-cysteinyl-L-lysyl-L-lysyl-L-
     α-aspartyl-L-seryl-L-α-aspartyl-L-cysteinyl-L-leucyl-L-alanyl-
     L-α-glutamyl-L-cysteinyl-L-valyl-L-cysteinyl-L-leucyl-L-α-
     glutamyl-L-histidylglycyl-L-tyrosyl-L-cysteinyl-, cyclic
     (3→20)-disulfide (9CI)  (CA INDEX NAME)

Absolute stereochemistry.

                                                  PAGE 1-B
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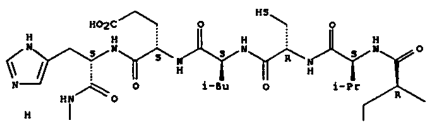

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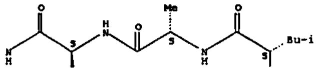

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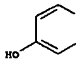

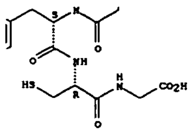

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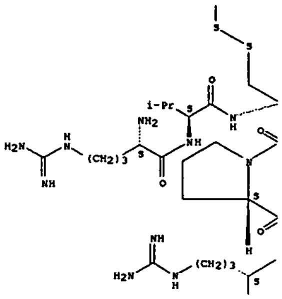

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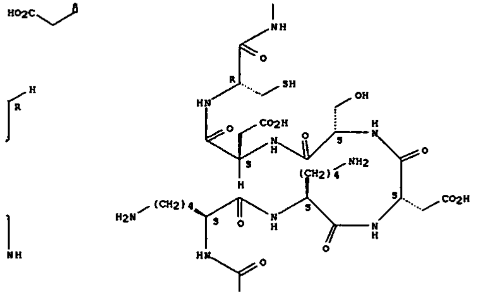

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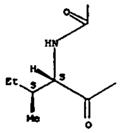

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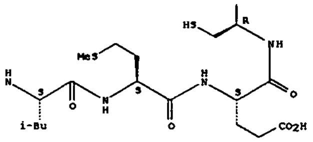

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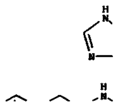
Absolute stereochemistry.

PAGE 1-A



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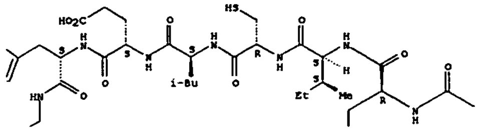
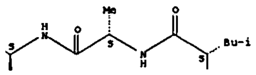
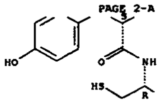
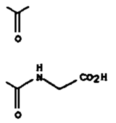


PAGE 1-C

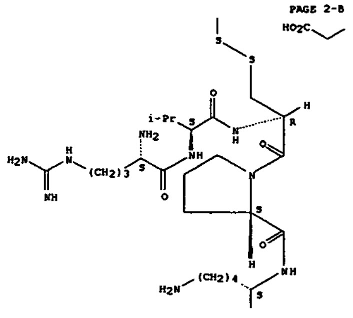


PAGE 2-A





PAGE 2-B



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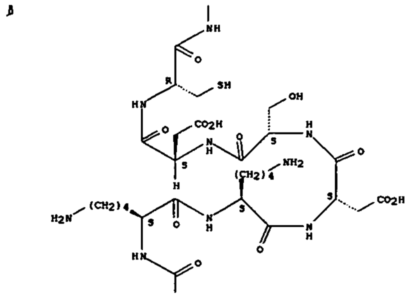

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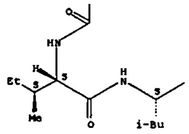
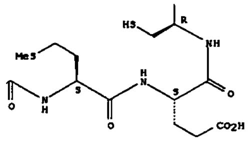


PAGE 3-C



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REFERENCE COUNT:         24    THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16  ANSWER 18 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        2000:746439  HCAPLUS
DOCUMENT NUMBER:         134:42423
TITLE:                   Dehydropeptides from Orthogonal Ligation of
                         Unprotected Peptides
AUTHOR(S):               Miao, Zhenwei; Tam, James P.
CORPORATE SOURCE:        Department of Microbiology and Immunology, Vanderbilt
                         University, Nashville, TN, 37323, USA
SOURCE:                  Organic Letters (2000), 2(23), 3711-3713
                         CODEN: ORLEF7; ISSN: 1523-7060
PUBLISHER:               American Chemical Society
DOCUMENT TYPE:           Journal
LANGUAGE:                English
OTHER SOURCE(S):         CASREACT 134:42423
IT   312905-26-3P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation of dehydropeptides by orthogonal ligation of unprotected
        peptides)
RN   312905-26-3  HCAPLUS
CN   Cyclo(L-arginylglycyl-L-isoleucyl-L-cysteinyl-L-tryptophyl-L-seryl-L-
     tyrosyl-L-leucyl-L-cysteinyl-L-lysyl-L-tyrosyl-L-seryl-L-seryl) (9CI)  (CA
     INDEX NAME)
```
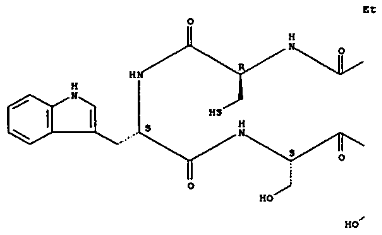
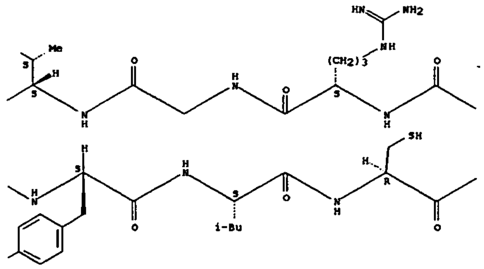

Absolute stereochemistry.

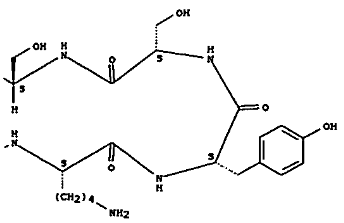
PAGE 1-A



PAGE 1-B



PAGE 1-C



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REFERENCE COUNT:         30    THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16  ANSWER 19 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        2000:664356  HCAPLUS
DOCUMENT NUMBER:         133:362951
TITLE:                   Selective and facile cyclization of N-chloroacetylated
                         peptides from the C4 domain of HIV Gp120 in LiCl/DMF
                         solvent systems
AUTHOR(S):               Robey, F. A.
CORPORATE SOURCE:        Oral and Pharyngeal Cancer Branch, National Institute
                         of Dental and Craniofacial Research, National
                         Institutes of Health, Bethesda, MD, 20892, USA
SOURCE:                  Journal of Peptide Research (2000), 56(3),
                         115-120
                         CODEN: JPERFA; ISSN: 1397-002X
PUBLISHER:               Munksgaard International Publishers Ltd.
DOCUMENT TYPE:           Journal
LANGUAGE:                English
OTHER SOURCE(S):         CASREACT 133:362951
IT   158268-64-5P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (selective cyclization of N-chloroacetyl peptides derived from the C4
        domain of HIV Gp120 in LiCl/DMF solvent systems)
RN   158268-64-5  HCAPLUS
CN   L-Cysteinamide, N2-(mercaptoacetyl)-L-lysyl-L-isoleucyl-L-lysyl-L-
     glutaminyl-L-isoleucyl-L-isoleucyl-L-asparaginyl-L-methionyl-L-tryptophyl-
     L-glutaminyl-L-α-glutamyl-L-valylglycyl-L-lysyl-L-alanyl-L-methionyl-
     L-tyrosyl-L-alanyl-, cyclic (1→19)-thioether (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
REFERENCE COUNT:         22    THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16  ANSWER 20 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        2000:495274  HCAPLUS
DOCUMENT NUMBER:         133:203294
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TITLE:                   Tertiapin potently and selectively blocks muscarinic
                         K+ channels in rabbit cardiac myocytes
AUTHOR(S):               Kitamura, Hidetsuna; Yokoyama, Mitsuhiro; Akita,
                         Hozuka; Matsushita, Kenji; Kurachi, Yoshihisa; Yamada,
                         Mitsuhiko
CORPORATE SOURCE:        Department of Cardiac Physiology, National
                         Cardiovascular Center Research Institute, Suita, Japan
SOURCE:                  Journal of Pharmacology and Experimental Therapeutics
                         (2000), 293(1), 196-205
                         CODEN: JPETAB; ISSN: 0022-3565
PUBLISHER:               American Society for Pharmacology and Experimental
                         Therapeutics
DOCUMENT TYPE:           Journal
LANGUAGE:                English
IT   403843-29-8
     RL: BAC (Biological activity or effector, except adverse); BSU (Biological
     study, unclassified); BUU (Biological use, unclassified); BIOL (Biological
     study); USES (Uses)
        (tertiapin potently and selectively blocks muscarinic K+ channels
        currents in rabbit cardiac myocytes in receptor- and
        voltage-independent manner)
RN   403843-29-8  HCAPLUS
CN   L-Lysinamide, L-alanyl-L-leucyl-L-cysteinyl-L-asparaginyl-L-cysteinyl-L-
     asparaginyl-L-arginyl-L-isoleucyl-L-isoleucyl-L-isoleucyl-L-prolyl-L-
     histidyl-L-methionyl-L-cysteinyl-L-tryptophyl-L-lysyl-L-lysyl-L-
     cysteinylglycyl-L-lysyl-, cyclic (3→14),(5→18)-
     bis(disulfide) (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
REFERENCE COUNT:         36    THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16  ANSWER 21 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        2000:288598  HCAPLUS
DOCUMENT NUMBER:         133:120655
TITLE:                   Design and synthesis of cyclic peptides for
                         iron-sulfur cluster assembly and encapsulation
AUTHOR(S):               Segal, Brent M.; McNamara, John F.; Jensen, Ivar;
                         Kates, Steven A.; Holm, R. H.
CORPORATE SOURCE:        Department of Chemistry and Chemical Biology, Harvard
                         University, Cambridge, MA, 02138, USA
SOURCE:                  Peptides 1998, Proceedings of the European Peptide
                         Symposium, 25th, Budapest, Aug. 30-Sept. 4, 1998 (
                         1999), Meeting Date 1998, 522-523.  Editor(s):
                         Bajusz, Sandor; Hudecz, Ferenc.  Akademiai Kiado:
                         Budapest, Hung.
                         CODEN: 68MKAY
DOCUMENT TYPE:           Conference
LANGUAGE:                English
IT   285980-20-3P 285980-28-1P
     RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
        (design and synthesis of cyclic peptides for iron-sulfur cluster
        assembly and encapsulation)
RN   285980-20-3  HCAPLUS
CN   Cyclo(L-alanyl-L-cysteinyl-L-asparaginyl-L-cysteinyl-L-isoleucyl-L-alanyl-
     L-cysteinylglycyl-L-alanyl-L-cysteinylglycylglycyl-L-cysteinyl-L-isoleucyl-
     L-alanyl-L-cysteinylglycyl) (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   285980-28-1  HCAPLUS
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CN   Cyclo(L-alanyl-L-cysteinyl-L-α-glutamyl-L-cysteinyl-L-isoleucyl-L-
     alanyl-L-cysteinylglycyl-L-alanyl-L-cysteinyl-L-lysyl-L-lysyl-L-cysteinyl-
     L-isoleucyl-L-alanyl-L-cysteinylglycyl) (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
REFERENCE COUNT:         3     THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16  ANSWER 22 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        2000:254224  HCAPLUS
DOCUMENT NUMBER:         133:70566
TITLE:                   Squash trypsin inhibitors from Momordica
                         cochinchinensis exhibit an atypical macrocyclic
                         structure
AUTHOR(S):               Hernandez, Jean-Francois; Gagnon, Jean; Chiche,
                         Laurent; Nguyen, Tuyet Mai; Andrieu, Jean-Pierre;
                         Heitz, Annie; Hong, Thai Trinh; Pham, T. Tran Chau;
                         Nguyen, Dung Le
CORPORATE SOURCE:        Institut de Biologie Structurale Jean-Pierre Ebel
                         (CEA-CNRS), Grenoble, 38027, Fr.
SOURCE:                  Biochemistry (2000), 39(19), 5722-5730
                         CODEN: BICHAW; ISSN: 0006-2960
PUBLISHER:               American Chemical Society
DOCUMENT TYPE:           Journal
LANGUAGE:                English
IT   278596-42-2
     RL: PRP (Properties)
        (squash trypsin inhibitors)
RN   278596-42-2  HCAPLUS
CN   Cyclo(L-alanyl-L-cysteinyl-L-isoleucyl-L-cysteinyl-L-arginylglycyl-L-
     asparaginylglycyl-L-tyrosyl-L-cysteinylglycyl-L-serylglycyl-L-seryl-L-
     α-aspartylglycylglycyl-L-valyl-L-cysteinyl-L-prolyl-L-lysyl-L-
     isoleucyl-L-leucyl-L-glutaminyl-L-arginyl-L-cysteinyl-L-arginyl-L-arginyl-
     L-α-aspartyl-L-seryl-L-α-aspartyl-L-cysteinyl-L-prolylglycyl)
     (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
REFERENCE COUNT:         55    THERE ARE 55 CITED REFERENCES AVAILABLE FOR THIS
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16  ANSWER 23 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        2000:247038  HCAPLUS
DOCUMENT NUMBER:         133:59065
TITLE:                   1-Deamino-1(15)-carba and -dicarba analogs of
                         endothelin-1
AUTHOR(S):               Hlavacek, Jan; Marcova, Renata; Budesinsky, Milos;
                         Slaninova, Jirina
CORPORATE SOURCE:        Institute of Organic Chemistry and Biochemistry,
                         Academy of Sciences of the Czech Republic, Prague, 166
                         10, Czech Rep.
SOURCE:                  Collection of Czechoslovak Chemical Communications (
                         2000), 65(3), 407-424
                         CODEN: CCCCAK; ISSN: 0010-0765
PUBLISHER:               Institute of Organic Chemistry and Biochemistry,
                         Academy of Sciences of the Czech Republic
DOCUMENT TYPE:           Journal
LANGUAGE:                English
IT   276869-23-9P 276869-24-0P 276869-25-1DP,
     resin-bound 276869-26-2DP, resin-bound 276869-27-3P
     276869-28-4P
```

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     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (synthesis and biol. activity of (deamino)-carba and -dicarba analogs
        of endothelin-1)
RN   276869-23-9  HCAPLUS
CN   2-15-Endothelin 1 (swine reduced), N-(4-mercapto-1-oxobutyl)-2-[O-(1,1-
     dimethylethyl)-L-serine]-3-[S-(triphenylmethyl)-L-cysteine]-4-[O-(1,1-
     dimethylethyl)-L-serine]-5-[O-(1,1-dimethylethyl)-L-serine]-9-[N6-[(1,1-
     dimethylethoxy)carbonyl]-L-lysine]-11-[S-(triphenylmethyl)-L-cysteine]-13-
     [O-(1,1-dimethylethyl)-L-tyrosine]-, 8,10-bis(1,1-dimethylethyl) ester,
     cyclic (2→15)-thioether (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   276869-24-0  HCAPLUS
CN   2-15-Endothelin 1 (swine reduced), N-(3-mercapto-1-oxopropyl)-2-[O-(1,1-
     dimethylethyl)-L-serine]-3-[S-(triphenylmethyl)-L-cysteine]-4-[O-(1,1-
     dimethylethyl)-L-serine]-5-[O-(1,1-dimethylethyl)-L-serine]-9-[N6-[(1,1-
     dimethylethoxy)carbonyl]-L-lysine]-11-[S-(triphenylmethyl)-L-cysteine]-13-
     [O-(1,1-dimethylethyl)-L-tyrosine]-15-L-homocysteine-,
     8,10-bis(1,1-dimethylethyl) ester, cyclic (2→15)-thioether (9CI)
     (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   276869-25-1  HCAPLUS
CN   2-21-Endothelin 1 (swine reduced), N-(4-mercapto-1-oxobutyl)-2-[O-(1,1-
     dimethylethyl)-L-serine]-3-[S-(triphenylmethyl)-L-cysteine]-4-[O-(1,1-
     dimethylethyl)-L-serine]-5-[O-(1,1-dimethylethyl)-L-serine]-9-[N6-[(1,1-
     dimethylethoxy)carbonyl]-L-lysine]-11-[S-(triphenylmethyl)-L-cysteine]-13-
     [O-(1,1-dimethylethyl)-L-tyrosine]-16-[1-[(1,1-dimethylethoxy)carbonyl]-L-
     histidine]-, 8,10,18-tris(1,1-dimethylethyl) ester, cyclic
     (2→15)-thioether (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   276869-26-2  HCAPLUS
CN   2-21-Endothelin 1 (swine reduced), N-(3-mercapto-1-oxopropyl)-2-[O-(1,1-
     dimethylethyl)-L-serine]-3-[S-(triphenylmethyl)-L-cysteine]-4-[O-(1,1-
     dimethylethyl)-L-serine]-5-[O-(1,1-dimethylethyl)-L-serine]-9-[N6-[(1,1-
     dimethylethoxy)carbonyl]-L-lysine]-11-[S-(triphenylmethyl)-L-cysteine]-13-
     [O-(1,1-dimethylethyl)-L-tyrosine]-15-L-homocysteine-16-[1-[(1,1-
     dimethylethoxy)carbonyl]-L-histidine]-, 8,10,18-tris(1,1-dimethylethyl)
     ester, cyclic (2→15)-thioether (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   276869-27-3  HCAPLUS
CN   2-15-Endothelin 1 (swine reduced), N-(4-mercapto-1-oxobutyl)-2-[O-
     (phenylmethyl)-L-serine]-3-[S-[(4-methylphenyl)methyl]-L-cysteine]-4-[O-
     (phenylmethyl)-L-serine]-5-[O-(phenylmethyl)-L-serine]-9-[N6-[[(2-
     chlorophenyl)methoxy]carbonyl]-L-lysine]-11-[S-[(4-methylphenyl)methyl]-L-
     cysteine]-13-[O-(phenylmethyl)-L-tyrosine]-, 8,10-dicyclohexyl ester,
     cyclic (2→15)-thioether (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   276869-28-4  HCAPLUS
CN   2-15-Endothelin 1 (swine reduced), N-(3-mercapto-1-oxopropyl)-2-[O-
     (phenylmethyl)-L-serine]-3-[S-[(4-methylphenyl)methyl]-L-cysteine]-4-[O-
     (phenylmethyl)-L-serine]-5-[O-(phenylmethyl)-L-serine]-9-[N6-[[(2-
     chlorophenyl)methoxy]carbonyl]-L-lysine]-11-[S-[(4-methylphenyl)methyl]-L-
     cysteine]-13-[O-(phenylmethyl)-L-tyrosine]-15-L-homocysteine-,
     8,10-dicyclohexyl ester, cyclic (2→15)-thioether (9CI)  (CA INDEX
     NAME)
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*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
REFERENCE COUNT:         37    THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16  ANSWER 24 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        2000:191100  HCAPLUS
DOCUMENT NUMBER:         132:237373
TITLE:                   Preparation of cyclized conotoxin peptides
INVENTOR(S):             Craik, David James; Daly, Norelle Lee; Nielsen,
                         Katherine Justine
PATENT ASSIGNEE(S):      University of Queensland, Australia
SOURCE:                  PCT Int. Appl., 43 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:           Patent
LANGUAGE:                English
FAMILY ACC. NUM. COUNT:  2
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     ---------------     ----   --------    --------------------   --------
     WO 2000015654        A1    20000323    WO 1999-AU769          19990914 <--
         W:  AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,
             CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,
             IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD,
             MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK,
             SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW
         RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
             DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
             CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     CA 2385049           AA    20000323    CA 1999-2385049        19990914 <--
     AU 9960705           A1    20000403    AU 1999-60705          19990914 <--
     AU 747006            B2    20020509
     EP 1129106           A1    20010905    EP 1999-947111         19990914 <--
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO
     US 7001883           B1    20060221    US 2001-787082         20010614 <--
     US 2005256301        A1    20051117    US 2005-52168          20050207 <--
PRIORITY APPLN. INFO.:                      AU 1998-5895       A   19980914 <--
                                            WO 1999-AU769      W   19990914 <--
                                            US 2001-787082     A2  20010614 <--
IT   261730-34-1DP, oxidized 261730-35-2DP, oxidized
     261730-36-3DP, oxidized 261730-37-4DP, oxidized
     RL: BAC (Biological activity or effector, except adverse); BSU (Biological
     study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
     BIOL (Biological study); PREP (Preparation); USES (Uses)
        (preparation of cyclized conotoxin peptides)
RN   261730-34-1  HCAPLUS
CN   Cyclo(L-alanyl-L-lysyl-L-cysteinyl-L-seryl-L-arginyl-L-leucyl-L-methionyl-
     L-tyrosyl-L-α-aspartyl-L-cysteinyl-L-cysteinyl-L-threonylglycyl-L-
     seryl-L-cysteinyl-L-arginyl-L-serylglycyl-L-lysyl-L-cysteinyl-L-threonyl-L-
     arginyl-L-asparaginylglycyl-L-leucyl-L-prolylglycyl-L-cysteinyl-L-
     lysylglycyl-L-lysylglycyl) (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   261730-35-2  HCAPLUS
CN   Cyclo(L-alanyl-L-lysyl-L-cysteinyl-L-seryl-L-arginyl-L-leucyl-L-methionyl-
     L-tyrosyl-L-α-aspartyl-L-cysteinyl-L-cysteinyl-L-threonylglycyl-L-
     seryl-L-cysteinyl-L-arginyl-L-serylglycyl-L-lysyl-L-cysteinyl-L-threonyl-L-
     arginyl-L-asparaginylglycyl-L-cysteinyl-L-lysylglycyl-L-lysylglycyl) (9CI)
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     (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   261730-36-3  HCAPLUS
CN   Cyclo(L-alanyl-L-lysyl-L-cysteinyl-L-seryl-L-arginyl-L-leucyl-L-methionyl-
     L-tyrosyl-L-α-aspartyl-L-cysteinyl-L-cysteinyl-L-threonylglycyl-L-
     seryl-L-cysteinyl-L-arginyl-L-serylglycyl-L-lysyl-L-cysteinyl-L-threonyl-L-
     arginylglycylglycyl-L-leucyl-L-prolyl-L-valyl-L-cysteinyl-L-lysylglycyl-L-
     lysylglycyl) (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   261730-37-4  HCAPLUS
CN   Cyclo(L-asparaginylglycylglycyl-L-cysteinyl-L-cysteinyl-L-seryl-L-
     asparaginyl-L-prolyl-L-valyl-L-cysteinyl-L-histidyl-L-leucyl-L-α-
     glutamyl-L-histidyl-L-seryl-L-asparaginyl-L-leucyl-L-cysteinyl-L-threonyl)
     (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
REFERENCE COUNT:         2     THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16  ANSWER 25 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        1999:661823  HCAPLUS
DOCUMENT NUMBER:         131:334079
TITLE:                   Crystal structure of the complex formed between bovine
                         β-trypsin and MCTI-A, a trypsin inhibitor of
                         squash family, at 1.8-Å resolution
AUTHOR(S):               Zhu, Yanshi; Huang, Qichen; Qian, Minxie; Jia, Yisi;
                         Tang, Youqi
CORPORATE SOURCE:        Department of Chemistry, Peking University, Beijing,
                         100871, Peop. Rep. China
SOURCE:                  Journal of Protein Chemistry (1999), 18(5),
                         505-509
                         CODEN: JPCHD2; ISSN: 0277-8033
PUBLISHER:               Kluwer Academic/Plenum Publishers
DOCUMENT TYPE:           Journal
LANGUAGE:                English
IT   249619-09-8
     RL: PRP (Properties)
        (modified (crystallog.) sequence of MCTI-A; crystal structure of
        complex formed between bovine β-trypsin and squash family trypsin
        inhibitor MCTI-A at 1.8-Å resolution)
RN   249619-09-8  HCAPLUS
CN   Glycine, L-arginyl-L-isoleucyl-L-cysteinyl-L-prolyl-L-arginyl-L-isoleucyl-
     L-tryptophyl-L-methionyl-L-α-glutamyl-L-cysteinyl-L-lysyl-L-arginyl-
     L-α-aspartyl-L-seryl-L-α-aspartyl-L-cysteinyl-L-methionyl-L-
     alanyl-L-α-glutamyl-L-cysteinyl-L-isoleucyl-L-cysteinyl-L-valyl-L-
     methionylglycyl-L-histidyl-L-cysteinyl-, cyclic
     (3→20),(10→22),(16→27)-tris(disulfide) (9CI)  (CA
     INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
REFERENCE COUNT:         12    THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16  ANSWER 26 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        1999:503932  HCAPLUS
DOCUMENT NUMBER:         131:268567
TITLE:                   An unusual structural motif of antimicrobial peptides
                         containing end-to-end macrocycle and cystine-knot
```

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                         disulfides
AUTHOR(S):               Tam, James P.; Lu, Yi-An; Yang, Jin-Long; Chiu,
                         Kou-Wei
CORPORATE SOURCE:        Department of Microbiology and Immunology, Vanderbilt
                         University, Nashville, TN, 37232-2363, USA
SOURCE:                  Proceedings of the National Academy of Sciences of the
                         United States of America (1999), 96(16),
                         8913-8918
                         CODEN: PNASA6; ISSN: 0027-8424
PUBLISHER:               National Academy of Sciences
DOCUMENT TYPE:           Journal
LANGUAGE:                English
IT   195260-17-4P 245764-48-1P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation and unusual structural motif of antimicrobial peptides containing
        end-to-end macrocycle and cystine-knot disulfides)
RN   195260-17-4  HCAPLUS
CN   Cyclopsychotride A (reduced), 12-[S-[(acetylamino)methyl]-L-cysteine]-28-
     [S-[(acetylamino)methyl]-L-cysteine]- (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   245764-48-1  HCAPLUS
CN   Cyclo[L-arginyl-L-asparaginylglycyl-L-leucyl-L-prolyl-L-valyl-L-
     cysteinylglycyl-L-α-glutamyl-L-threonyl-S-[(acetylamino)methyl]-L-
     cysteinyl-L-valylglycylglycyl-L-threonyl-L-cysteinyl-L-asparaginyl-L-
     threonyl-L-prolylglycyl-L-cysteinyl-L-threonyl-S-[(acetylamino)methyl]-L-
     cysteinyl-L-seryl-L-tryptophyl-L-prolyl-L-valyl-L-cysteinyl-L-threonyl]
     (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
REFERENCE COUNT:         33    THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16  ANSWER 27 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        1999:257522  HCAPLUS
DOCUMENT NUMBER:         131:32149
TITLE:                   Thia Zip Reaction for Synthesis of Large Cyclic
                         Peptides: Mechanisms and Applications
AUTHOR(S):               Tam, James P.; Lu, Yi-An; Yu, Qitao
CORPORATE SOURCE:        Department of Microbiology and Immunology, Vanderbilt
                         University, Nashville, TN, 37232-2363, USA
SOURCE:                  Journal of the American Chemical Society (1999
                         ), 121(18), 4316-4324
                         CODEN: JACSAT; ISSN: 0002-7863
PUBLISHER:               American Chemical Society
DOCUMENT TYPE:           Journal
LANGUAGE:                English
IT   195260-17-4P 226721-16-0P, Cyclopsychotride A (reduced)
     226721-24-0P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation of using the thia zip reaction for synthesis of large cyclic
        peptides)
RN   195260-17-4  HCAPLUS
CN   Cyclopsychotride A (reduced), 12-[S-[(acetylamino)methyl]-L-cysteine]-28-
     [S-[(acetylamino)methyl]-L-cysteine]- (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   226721-16-0  HCAPLUS
CN   Cyclopsychotride A (reduced) (9CI)  (CA INDEX NAME)
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*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   226721-24-0  HCAPLUS
CN   Cyclopsychotride A (reduced), 7-[S-[(acetylamino)methyl]-L-cysteine]-12-[S-
     [(acetylamino)methyl]-L-cysteine]-19-[S-[(acetylamino)methyl]-L-cysteine]-
     23-[S-[(acetylamino)methyl]-L-cysteine]-28-[S-[(acetylamino)methyl]-L-
     cysteine]- (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
REFERENCE COUNT:         81    THERE ARE 81 CITED REFERENCES AVAILABLE FOR THIS
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16  ANSWER 28 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        1999:241121  HCAPLUS
DOCUMENT NUMBER:         131:70789
TITLE:                   Predicting the structures of 18 peptides using Geocore
AUTHOR(S):               Ishikawa, Kohki; Yue, Kaizhi; Dill, Ken A.
CORPORATE SOURCE:        Central Research Laboratories, Ajinomoto Co.,
                         Kawasaki, 210, Japan
SOURCE:                  Protein Science (1999), 8(4), 716-721
                         CODEN: PRCIEI; ISSN: 0961-8368
PUBLISHER:               Cambridge University Press
DOCUMENT TYPE:           Journal
LANGUAGE:                English
IT   228579-60-0
     RL: BSU (Biological study, unclassified); PEP (Physical, engineering or
     chemical process); PRP (Properties); BIOL (Biological study); PROC
     (Process)
        (predicting the conformation structures of peptides and proteins using
        Geocore algorithm)
RN   228579-60-0  HCAPLUS
CN   L-Lysine, L-alanyl-L-leucyl-L-cysteinyl-L-asparaginyl-L-cysteinyl-L-
     asparaginyl-L-arginyl-L-isoleucyl-L-isoleucyl-L-isoleucyl-L-prolyl-L-
     histidyl-L-methionyl-L-cysteinyl-L-tryptophyl-L-lysyl-L-lysyl-L-
     cysteinylglycyl-L-lysyl-, cyclic (3→14),(5→18)-
     bis(disulfide) (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
REFERENCE COUNT:         19    THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16  ANSWER 29 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        1999:59428  HCAPLUS
DOCUMENT NUMBER:         130:264790
TITLE:                   Seven novel macrocyclic polypeptides from Viola
                         arvensis
AUTHOR(S):               Goeransson, Ulf; Luijendijk, Teus; Johansson, Senia;
                         Bohlin, Lars; Claeson, Per
CORPORATE SOURCE:        Division of Pharmacognosy Department of Pharmacy,
                         Biomedical Center, Uppsala University, Uppsala, S-751
                         23, Swed.
SOURCE:                  Journal of Natural Products (1999), 62(2),
                         283-286
                         CODEN: JNPRDF; ISSN: 0163-3864
PUBLISHER:               American Chemical Society
DOCUMENT TYPE:           Journal
LANGUAGE:                English
IT   200813-35-0 222160-65-8 222160-68-1
     222160-69-2 222160-88-5 222161-09-3
     222161-12-8 222161-27-5
     RL: PRP (Properties)
        (seven novel macrocyclic polypeptides from Viola arvensis)
RN   200813-35-0  HCAPLUS
CN   Kalatapeptide B 1 (reduced), 21-L-serine-, (291→1)-lactam (9CI)
     (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   222160-65-8  HCAPLUS
CN   Cyclo(L-arginyl-L-asparaginylglycyl-L-leucyl-L-prolyl-L-valyl-L-
     cysteinylglycyl-L-α-glutamyl-L-threonyl-L-cysteinyl-L-
     phenylalanylglycylglycyl-L-threonyl-L-cysteinyl-L-asparaginyl-L-threonyl-L-
     prolylglycyl-L-cysteinyl-L-seryl-L-cysteinyl-L-α-aspartyl-L-prolyl-L-
     tryptophyl-L-prolyl-L-methionyl-L-cysteinyl-L-seryl) (9CI)  (CA INDEX
     NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   222160-68-1  HCAPLUS
CN   Cyclo(L-arginyl-L-asparaginylglycyl-L-valyl-L-prolyl-L-isoleucyl-L-
     cysteinylglycyl-L-α-glutamyl-L-threonyl-L-cysteinyl-L-
     valylglycylglycyl-L-threonyl-L-cysteinyl-L-asparaginyl-L-threonyl-L-
     prolylglycyl-L-cysteinyl-L-seryl-L-cysteinyl-L-seryl-L-tryptophyl-L-prolyl-
     L-valyl-L-cysteinyl-L-threonyl) (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   222160-69-2  HCAPLUS
CN   Cyclo(L-arginyl-L-asparaginylglycyl-L-leucyl-L-prolyl-L-isoleucyl-L-
     cysteinylglycyl-L-α-glutamyl-L-threonyl-L-cysteinyl-L-
     valylglycylglycyl-L-seryl-L-cysteinyl-L-asparaginyl-L-threonyl-L-
     prolylglycyl-L-cysteinyl-L-seryl-L-cysteinyl-L-seryl-L-tryptophyl-L-prolyl-
     L-valyl-L-cysteinyl-L-threonyl) (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   222160-88-5  HCAPLUS
CN   Kalatapeptide B 1, 5-L-isoleucine-21-L-serine-, (29→1)-lactam (9CI)
       (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   222161-09-3  HCAPLUS
CN   Cyclo(L-alanylglycyl-L-cysteinyl-L-seryl-L-cysteinyl-L-seryl-L-tryptophyl-
     L-prolyl-L-valyl-L-cysteinyl-L-threonyl-L-arginyl-L-asparaginylglycyl-L-
     valyl-L-prolyl-L-isoleucyl-L-cysteinylglycyl-L-α-glutamyl-L-threonyl-
     L-cysteinyl-L-threonyl-L-leucylglycyl-L-threonyl-L-cysteinyl-L-tyrosyl-L-
     threonyl) (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   222161-12-8  HCAPLUS
CN   Cyclo(L-arginyl-L-asparaginylglycyl-L-valyl-L-prolyl-L-valyl-L-
     cysteinylglycyl-L-α-glutamyl-L-threonyl-L-cysteinyl-L-
     phenylalanylglycylglycyl-L-threonyl-L-cysteinyl-L-asparaginyl-L-threonyl-L-
     prolylglycyl-L-cysteinyl-L-seryl-L-cysteinyl-L-α-aspartyl-L-prolyl-L-
     tryptophyl-L-prolyl-L-valyl-L-cysteinyl-L-seryl) (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   222161-27-5  HCAPLUS
CN   Cyclo(L-arginyl-L-asparaginylglycyl-L-leucyl-L-prolyl-L-valyl-L-
     cysteinylglycyl-L-α-glutamyl-L-threonyl-L-cysteinyl-L-
     phenylalanylglycylglycyl-L-threonyl-L-cysteinyl-L-asparaginyl-L-threonyl-L-
     prolylglycyl-L-cysteinyl-L-seryl-L-cysteinyl-L-α-glutamyl-L-threonyl-
     L-tryptophyl-L-prolyl-L-valyl-L-cysteinyl-L-seryl) (9CI)  (CA INDEX NAME)
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*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
REFERENCE COUNT:          16    THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16  ANSWER 30 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         1998:634643  HCAPLUS
DOCUMENT NUMBER:          129:316539
TITLE:                    Methionine ligation strategy in the biomimetic
                          synthesis of parathyroid hormones
AUTHOR(S):                Tam, James P.; Yu, Qitao
CORPORATE SOURCE:         Department of Microbiology and Immunology MCN A5119,
                          Vanderbilt University, Nashville, TN, 37232-2363, USA
SOURCE:                   Biopolymers (1998), 46(5), 319-327
                          CODEN: BIPMAA; ISSN: 0006-3525
PUBLISHER:                John Wiley & Sons, Inc.
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
IT   214749-36-7P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation of methionine-containing peptides and parathyroid hormones via
        chemical ligation strategy using homocysteine residues)
RN   214749-36-7  HCAPLUS
CN   Cyclo(L-asparaginyl-L-leucylglycyl-L-lysyl-L-histidyl-L-leucyl-L-
     asparaginyl-L-seryl-L-homocysteinyl-L-seryl-L-valyl-L-seryl-L-α-
     glutamyl-L-isoleucyl-L-glutaminyl-L-leucyl-L-methionyl-L-histidyl) (9CI)
     (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
REFERENCE COUNT:          39    THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16  ANSWER 31 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         1998:463967  HCAPLUS
DOCUMENT NUMBER:          129:203259
TITLE:                    A biomimetic strategy in the synthesis and
                          fragmentation of cyclic protein
AUTHOR(S):                Tam, James P.; Lu, Yi-An
CORPORATE SOURCE:         Department of Microbiology and Immunology, Vanderbilt
                          University, Nashville, TN, 37232, USA
SOURCE:                   Protein Science (1998), 7(7), 1583-1592
                          CODEN: PRCIEI; ISSN: 0961-8368
PUBLISHER:                Cambridge University Press
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
IT   212206-84-3P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation of small cystine-containing knot proteins via thia zip cyclization)
RN   212206-84-3  HCAPLUS
CN   Cyclopsychotride A (reduced), 7-[S-[(acetylamino)methyl]-L-cysteine]-23-[S-
     [(acetylamino)methyl]-L-cysteine]- (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
REFERENCE COUNT:          44    THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16  ANSWER 32 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         1998:76588  HCAPLUS
DOCUMENT NUMBER:          128:72543
TITLE:                    Fractionation Protocol for the Isolation of
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                          Polypeptides from Plant Biomass
AUTHOR(S):                Claeson, Per; Goeransson, Ulf; Johansson, Senia;
                          Luijendijk, Teus; Bohlin, Lars
CORPORATE SOURCE:         Division of Pharmacognosy Department of Pharmacy
                          Biomedical Center, Uppsala University, Uppsala, S-751
                          23, Swed.
SOURCE:                   Journal of Natural Products (1998), 61(1),
                          77-81
                          CODEN: JNPRDF; ISSN: 0163-3864
PUBLISHER:                American Chemical Society
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
IT   200813-35-0P
     RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PUR
     (Purification or recovery); BIOL (Biological study); OCCU (Occurrence);
     PREP (Preparation)
        (fractionation protocol for the isolation of polypeptides from plant
        biomass)
RN   200813-35-0  HCAPLUS
CN   Kalatapeptide B 1 (reduced), 21-L-serine-, (291→1)-lactam (9CI)
     (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
REFERENCE COUNT:          20    THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16  ANSWER 33 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         1997:553500  HCAPLUS
DOCUMENT NUMBER:          127:234583
TITLE:                    Synthesis of large cyclic cystine-knot peptide by
                          orthogonal coupling strategy using unprotected peptide
                          precursor
AUTHOR(S):                Tam, James P.; Lu, Yi-An
CORPORATE SOURCE:         Dep. Microbiology and Immunology, Vanderbilt Univ.,
                          Nashville, TN, 37232-2363, USA
SOURCE:                   Tetrahedron Letters (1997), 38(32),
                          5599-5602
                          CODEN: TELEAY; ISSN: 0040-4039
PUBLISHER:                Elsevier
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
IT   195260-17-4P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (synthesis of large cyclic cystine-knot peptide by orthogonal coupling
        strategy using unprotected peptide precursor)
RN   195260-17-4  HCAPLUS
CN   Cyclopsychotride A (reduced), 12-[S-[(acetylamino)methyl]-L-cysteine]-28-
     [S-[(acetylamino)methyl]-L-cysteine]- (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
REFERENCE COUNT:          21    THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16  ANSWER 34 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         1997:352667  HCAPLUS
DOCUMENT NUMBER:          127:93223
TITLE:                    A peptide sequence from the EGF-2 like domain of FVII
                          inhibits TF-dependent FX activation
AUTHOR(S):                Orning, Lars; Stephens, Ross W.; Petersen, Lizette B.;
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                          Hamers, Maria J.A.G.; Stormorken, Helge; Sakariassen,
                          Kjell S.
CORPORATE SOURCE:         Nycomed Imaging AS, Oslo, N-0371, Norway
SOURCE:                   Thrombosis Research (1997), 86(1), 57-67
                          CODEN: THBRAA; ISSN: 0049-3848
PUBLISHER:                Elsevier
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
IT   192209-67-9
     RL: BAC (Biological activity or effector, except adverse); BPR (Biological
     process); BSU (Biological study, unclassified); BIOL (Biological study);
     PROC (Process)
        (amino acid sequence; a peptide sequence derived from EGF-2 like domain
        of coagulation factor VII inhibits tissue factor-dependent factor X
        activation)
RN   192209-67-9  HCAPLUS
CN   Cyclo(L-asparaginyl-L-α-glutamyl-L-asparaginylglycylglycyl-L-
     cysteinyl-L-α-glutamyl-L-glutaminyl-L-tyrosyl-L-cysteinyl-L-
     cysteinyl-L-valyl) (9CI)  (CA INDEX NAME)

Absolute stereochemistry.
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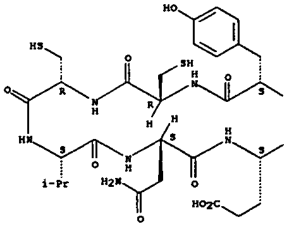
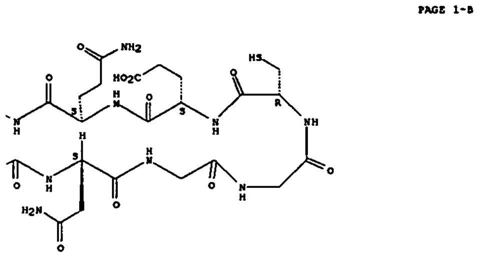
PAGE 1-A





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REFERENCE COUNT:         26    THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16  ANSWER 35 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        1997:226489  HCAPLUS
DOCUMENT NUMBER:         126:199821
TITLE:                   Synthesis and Application of Unprotected Cyclic
                         Peptides as Building Blocks for Peptide Dendrimers
AUTHOR(S):               Zhang, Lianshan; Tam, James P.
CORPORATE SOURCE:        Department of Microbiology and Immunology, Vanderbilt
                         University, Nashville, TN, 37232-2363, USA
SOURCE:                  Journal of the American Chemical Society (1997
                         ), 119(10), 2363-2370
                         CODEN: JACSAT; ISSN: 0002-7863
PUBLISHER:               American Chemical Society
DOCUMENT TYPE:           Journal
LANGUAGE:                English
OTHER SOURCE(S):         CASREACT 126:199821
IT   187803-83-4P
     RL: BYP (Byproduct); PREP (Preparation)
        (preparation and application of unprotected cyclic peptides as building
        blocks for peptide dendrimers)
RN   187803-83-4  HCAPLUS
CN   Cyclo(L-alanyl-L-valyl-L-seryl-L-α-glutamyl-L-isoleucyl-L-glutaminyl-
     L-phenylalanyl-L-methionyl-L-histidyl-L-asparaginyl-L-leucylglycyl-L-lysyl-
     L-cysteinyl), bimol. (14→14')-disulfide (9CI)  (CA INDEX NAME)

Absolute stereochemistry.
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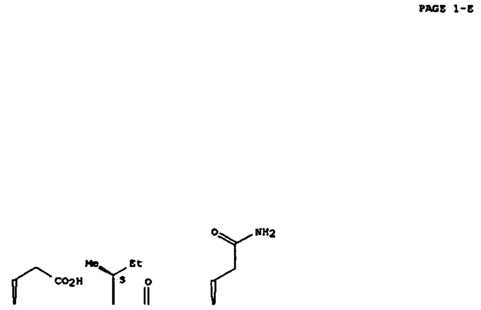
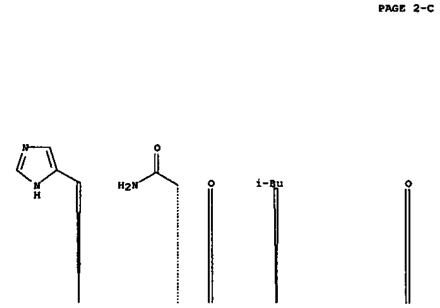
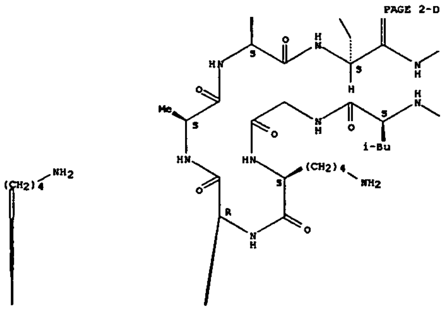
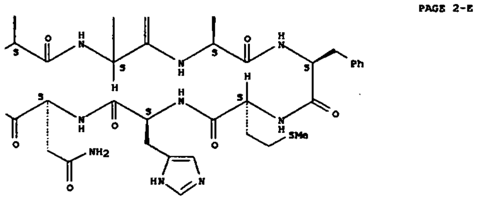
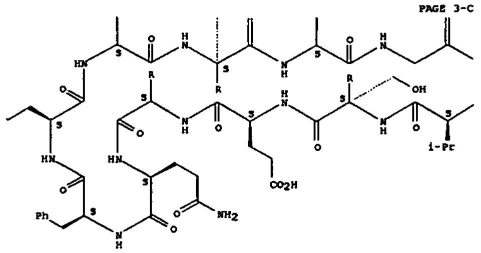


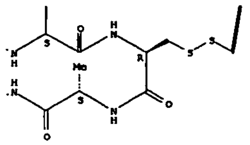




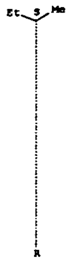




PAGE 3-D



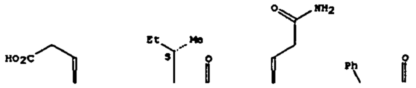
PAGE 4-A



IT 187803-74-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and application of unprotected cyclic peptides as building blocks for peptide dendrimers)
RN 187803-74-3 HCAPLUS
CN Cyclo(L-alanyl-L-valyl-L-seryl-L-α-glutamyl-L-isoleucyl-L-glutaminyl-L-phenylalanyl-L-methionyl-L-histidyl-L-asparaginyl-L-leucylglycyl-L-lysyl-L-cysteinyl) (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-B



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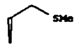
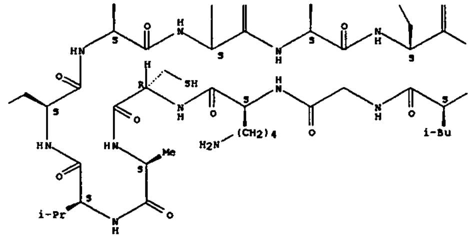
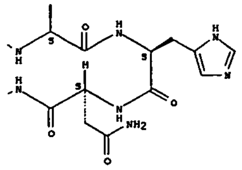


PAGE 2-A

PAGE 2-B



PAGE 2-C



REFERENCE COUNT: 86 THERE ARE 86 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 36 OF 75 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1996:746501 HCAPLUS
DOCUMENT NUMBER: 126:85034

TITLE: Pharmacological characterization of the ETA receptor in the vascular smooth muscle comparing its analogous distribution in the rat mesenteric artery and in the arterial mesenteric bed
AUTHOR(S): Donoso, M. Veronica; Faundez, Horacio; Rosa, Gigliola; Fournier, Alain; Edvinsson, Lars; Huidobro-Toro, J. Pablo
CORPORATE SOURCE: Dep. Fisiologia, Pontificia Univ. Catolica de Chile, Santiago, 114-D, Chile
SOURCE: Peptides (Tarrytown, New York) (1996), 17(7), 1145-1153
CODEN: PPTDD5; ISSN: 0196-9781
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 185623-44-3
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(pharmacol. characterization of ETA receptor in vascular smooth muscle comparing analogous distribution in rat mesenteric artery and in arterial mesenteric bed)
RN 185623-44-3 HCAPLUS
CN Endothelin 1 (swine reduced), 21-(1-formyl-L-tryptophan)-, cyclic (1→15)-disulfide (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L16 ANSWER 37 OF 75 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1996:252933 HCAPLUS
DOCUMENT NUMBER: 124:314574
TITLE: Identification and characterization of a C(K/R)TC motif as a common epitope present in all subtypes of hepatitis B surface antigen
AUTHOR(S): Qiu, Xiaoxing; Schroeder, Pamella; Bridon, Dominique
CORPORATE SOURCE: Dep. Peptide Eng., Abbott Lab., Abbott Park, IL, 60064, USA
SOURCE: Journal of Immunology (1996), 156(9), 3350-6
CODEN: JOIMA3; ISSN: 0022-1767
PUBLISHER: American Association of Immunologists
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 138772-52-8P
RL: BPR (Biological process); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
(identification and characterization of C(K/R)TC motif as common epitope a determinant present in all subtypes of hepatitis B surface antigen)
RN 138772-52-8 HCAPLUS
CN L-Cysteine, L-cysteinyl-L-methionyl-L-threonyl-L-threonyl-L-alanyl-L-glutaminylglycyl-L-threonyl-L-seryl-L-methionyl-L-tyrosyl-L-prolyl-L-seryl-, cyclic (1→15)-disulfide (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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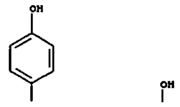

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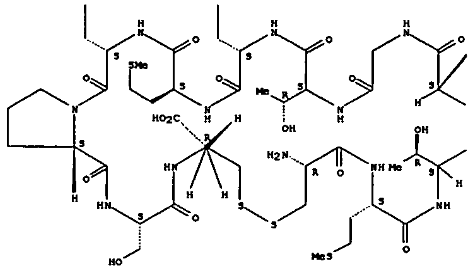
PAGE 2-A



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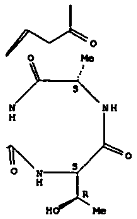

L16 ANSWER 38 OF 75 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1995:784581 HCAPLUS
DOCUMENT NUMBER: 123:279082
TITLE: Hsc70-binding peptides selected from a phage display peptide library that resemble organellar targeting sequences
AUTHOR(S): Takenaka, Ivone M.; Leung, Sau-Mei; McAndrew, Stephen J.; Brown, Joseph P.; Hightower, Lawrence E.
CORPORATE SOURCE: Bristol-Myers Squibb Pharmaceutical Res. Inst., Princeton, NJ, 08543, USA
SOURCE: Journal of Biological Chemistry (1995), 270(34), 19839-44
CODEN: JBCHA3; ISSN: 0021-9258

PUBLISHER: American Society for Biochemistry and Molecular Biology
DOCUMENT TYPE: Journal
LANGUAGE: English
IT **169561-77-7**
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(Hsc70-binding peptides selected from a phage display peptide library that resemble organellar targeting sequences)
RN 169561-77-7 HCAPLUS
CN Cyclo(L-arginyl-L-lysyl-L-lysyl-L-lysyl-L-cysteinyl-L-cysteinyl-L-asparaginyl-L-isoleucyl-L-valyl) (9CI) (CA INDEX NAME)

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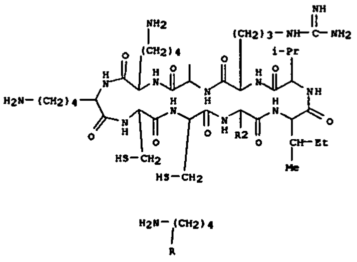

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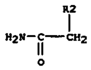

L16 ANSWER 39 OF 75 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1995:624515 HCAPLUS
DOCUMENT NUMBER: 123:257333
TITLE: Synthesis of human endothelin by regioselective disulfide formation using the silyl chloride-sulfoxide system
AUTHOR(S): Nishiuchi, Hajime; Akaji, Kenichi; Kiso, Yoshiaki
CORPORATE SOURCE: Department Medicinal Chemistry, Kyoto Pharmaceutical

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University, Kyoto, 607, Japan
SOURCE: Peptide Chemistry (1995), Volume Date 1994, 32nd, 225-8
CODEN: PECHDP; ISSN: 0388-3698
DOCUMENT TYPE: Journal
LANGUAGE: English
IT **166108-56-1P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(synthesis of human endothelin by regioselective disulfide formation using the silyl chloride-sulfoxide system)
RN 166108-56-1 HCAPLUS
CN Endothelin 1 (swine reduced), 3-[S-(1,1-dimethylethyl)-L-cysteine]-11-[S-(1,1-dimethylethyl)-L-cysteine]-21-(1-formyl-L-tryptophan)-, cyclic (1→15)-disulfide (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L16 ANSWER 40 OF 75 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1995:470890 HCAPLUS
DOCUMENT NUMBER: 123:112699
TITLE: Synthesis of human endothelin-1 by regioselective disulfide formation using the silyl chloride-sulfoxide system
AUTHOR(S): Akaji, Kenichi; Nishiuchi, Hajime; Kiso, Yoshiaki
CORPORATE SOURCE: Dep. Med. Chem., Kyoto Pharm. Univ., Kyoto, 607, Japan
SOURCE: Tetrahedron Letters (1995), 36(11), 1875-8
CODEN: TELEAY; ISSN: 0040-4039
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 123:112699
IT **166108-56-1P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(synthesis of human endothelin-1 by regioselective disulfide formation using methyltrichlorosilane-diphenyl sulfoxide)
RN 166108-56-1 HCAPLUS
CN Endothelin 1 (swine reduced), 3-[S-(1,1-dimethylethyl)-L-cysteine]-11-[S-(1,1-dimethylethyl)-L-cysteine]-21-(1-formyl-L-tryptophan)-, cyclic (1→15)-disulfide (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L16 ANSWER 41 OF 75 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1995:21301 HCAPLUS
DOCUMENT NUMBER: 122:72562
TITLE: production of an atrial natriuretic peptide variant that is specific for type A receptor
AUTHOR(S): Cunningham, Brian C.; Lowe, David G.; Li, Bing; Bennett, Brian D.; Wells, James A.
CORPORATE SOURCE: Dep. Protein Eng., Genentech, Inc., South San Francisco, CA, 94080, USA
SOURCE: EMBO Journal (1994), 13(11), 2508-15
CODEN: EMJODG; ISSN: 0261-4189
DOCUMENT TYPE: Journal
LANGUAGE: English
IT **156672-17-2P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation by monovalent phage display and atriopeptin receptor

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        selectivity of)
RN   156672-17-2  HCAPLUS
CN   Atrial natriuretic peptide-28 (human), 20-L-methionine-22-L-glutamine-
     (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L16  ANSWER 42 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         1994:628177  HCAPLUS
DOCUMENT NUMBER:          121:228177
TITLE:                    Use of peptomers to study the binding of HIV-1 to CD4:
                          Effects of polymerization on the biology and chemistry
                          of a synthetic peptide
AUTHOR(S):                Robey, F. A.; Harris-Kelson, T.; Roller, P.; Cleriqi,
                          M.; Batinic, D.
CORPORATE SOURCE:         Natl. Inst. Dental Research, Bethesda, MD, 20892, USA
SOURCE:                   Pept.:  Chem., Struct. Biol., Proc. Am. Pept. Symp.,
                          13th (1994), Meeting Date 1993, 924-6.
                          Editor(s): Hodges, Robert S.; Smith, John A.  ESCOM:
                          Leiden, Neth.
                          CODEN: 60LXAM
DOCUMENT TYPE:            Conference
LANGUAGE:                 English
IT   158268-64-5
     RL: PRP (Properties)
        (secondary structure of HIV-1 gp120 glycoprotein peptomer)
RN   158268-64-5  HCAPLUS
CN   L-Cysteinamide, N2-(mercaptoacetyl)-L-lysyl-L-isoleucyl-L-lysyl-L-
     glutaminyl-L-isoleucyl-L-isoleucyl-L-asparaginyl-L-methionyl-L-tryptophyl-
     L-glutaminyl-L-α-glutamyl-L-valylglycyl-L-lysyl-L-alanyl-L-methionyl-
     L-tyrosyl-L-alanyl-, cyclic (1→19)-thioether (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L16  ANSWER 43 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         1993:515000  HCAPLUS
DOCUMENT NUMBER:          119:115000
TITLE:                    Peptides from major virus-neutralizing and CD4-binding
                          domain of HIV: similar immunoreactive properties and
                          structural motif
AUTHOR(S):                Meshcheryakova, D. V.; Andreev, S. M.; Sidorova, M.
                          V.; Vafina, M. G.; Azmuko, A. A.; Petrukhina, A. O.;
                          Khaitov, R. M.
CORPORATE SOURCE:         Inst. Immunol., Moscow, Russia
SOURCE:                   Vestnik Rossiiskoi Akademii Meditsinskikh Nauk (
                          1992), (9-10), 47-52
                          CODEN: VAMEE3; ISSN: 0869-6047
DOCUMENT TYPE:            Journal
LANGUAGE:                 Russian
IT   136304-36-4P
     RL: PREP (Preparation)
        (preparation and virus-neutralizing antibodies induction by)
RN   136304-36-4  HCAPLUS
CN   L-Cysteine, L-cysteinyl-L-arginyl-L-isoleucyl-L-lysyl-L-glutaminyl-L-
     phenylalanyl-L-isoleucyl-L-asparaginyl-L-methionyl-L-tryptophyl-L-
     glutaminyl-L-α-glutamyl-L-valylglycyl-L-lysyl-L-alanyl-L-methionyl-L-
     tyrosyl-L-alanyl-L-prolyl-L-prolyl-L-isoleucyl-L-serylglycyl-L-glutaminyl-
     L-isoleucyl-L-arginyl-, cyclic (1→28)-disulfide (9CI)  (CA INDEX
     NAME)
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*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L16  ANSWER 44 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         1993:509139  HCAPLUS
DOCUMENT NUMBER:          119:109139
TITLE:                    Site-specific biotinylation. A novel approach and its
                          application to endothelin-1 analogs and PTH analog
AUTHOR(S):                Natarajan, Sesha; Festin, Stephen M.; Hedberg, Anders;
                          Liu, Eddie C. K.; Floyd, David M.; Hunt, John T.
CORPORATE SOURCE:         Bristol-Myers Squibb Pharm. Res. Inst., Princeton, NJ,
                          USA
SOURCE:                   International Journal of Peptide & Protein Research (
                          1992), 40(6), 567-74
                          CODEN: IJPPC3; ISSN: 0367-8377
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
IT   147023-93-6
     RL: RCT (Reactant); RACT (Reactant or reagent)
        (oxidation of)
RN   147023-93-6  HCAPLUS
CN   Endothelin 1 (swine reduced), 3-[S-[(acetylamino)methyl]-L-cysteine]-7-[N6-
     [6-[[5-(hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl)-1-oxopentyl]amino]-
     1-oxohexyl]-L-lysine]-11-[S-[(acetylamino)methyl]-L-cysteine]-, cyclic
     (1→15)-disulfide, [3aS-(3aα,4β,6aα)]- (9CI)  (CA
     INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
IT   147023-92-5P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation and oxidation of)
RN   147023-92-5  HCAPLUS
CN   Endothelin 1 (swine reduced), 3-[S-[(acetylamino)methyl]-L-cysteine]-7-L-
     norleucine-9-[N6-[6-[[5-(hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl)-1-
     oxopentyl]amino]-1-oxohexyl]-L-lysine]-11-[S-[(acetylamino)methyl]-L-
     cysteine]-, cyclic (1→15)-disulfide, [3aS-
     (3aα,4β,6aα)]- (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L16  ANSWER 45 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         1992:569434  HCAPLUS
DOCUMENT NUMBER:          117:169434
TITLE:                    Design of bioactive peptides based on immunoglobulin
                          structure
INVENTOR(S):              Williams, William; Kieber-Emmons, Thomas; Williams,
                          Robert M.; Weiner, David; Greene, Mark I.
PATENT ASSIGNEE(S):       University of Pennsylvania, USA; Wistar Institute of
                          Anatomy and Biology; Colorado State University
SOURCE:                   PCT Int. Appl., 46 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   3
PATENT INFORMATION:

     PATENT NO.          KIND   DATE       APPLICATION NO.        DATE
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     WO 9204914           A1    19920402   WO 1991-US6677         19910913 <--
         W:  CA, JP
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         RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE
     CA 2091258           AA    19920315   CA 1991-2091258        19910901 <--
     EP 551440            A1    19930721   EP 1992-900060         19910913 <--
     EP 551440            B1    20021218
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE
     JP 06504271          T2    19940519   JP 1991-500627         19910913 <--
     AT 229974            E     20030115   AT 1992-900060         19910913 <--
     EP 1310557           A1    20030514   EP 2002-80338          19910913 <--
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE
PRIORITY APPLN. INFO.:                     US 1990-583626      A  19900914 <--
                                           EP 1992-900060      A3 19910913 <--
                                           WO 1991-US6677      W  19910913 <--
IT   143716-20-5
     RL: PRP (Properties)
        (design and immunogenicity of, against HIV-1 virus)
RN   143716-20-5  HCAPLUS
CN   Cyclo(L-alanyl-L-methionyl-L-tyrosyl-L-alanyl-L-prolyl-L-prolyl-L-
     isoleucyl-L-serylglycyl-L-glutaminyl-L-isoleucyl-L-arginyl-L-cysteinyl-L-
     cysteinyl-L-arginyl-L-isoleucyl-L-lysyl-L-glutaminyl-L-phenylalanyl-L-
     isoleucyl-L-asparaginyl-L-methionyl-L-tryptophyl-L-glutaminyl-L-α-
     glutamyl-L-valylglycyl-L-lysyl) (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
IT   143716-17-0
     RL: BAC (Biological activity or effector, except adverse); BSU (Biological
     study, unclassified); BIOL (Biological study)
        (reovirus-inhibiting activity of)
RN   143716-17-0  HCAPLUS
CN   Cyclo(L-asparaginyl-L-lysyl-L-cysteinyl-L-leucyl-L-isoleucyl-L-tyrosyl-L-
     serylglycyl-L-seryl-L-threonyl-L-cysteinyl-L-glutaminyl-L-lysyl-L-
     prolylglycyl-L-lysyl-L-threonyl) (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L16  ANSWER 46 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         1992:405688  HCAPLUS
DOCUMENT NUMBER:          117:5688
TITLE:                    Synthetic peptides from a conserved region of gp120
                          induce broadly reactive anti-HIV responses
AUTHOR(S):                Morrow, W. J. W.; Williams, W. M.; Whalley, A. S.;
                          Ryskamp, T.; Newman, R.; Kang, C. Y.; Chamat, S.;
                          Kohler, H.; Kieber-Emmons, T.
CORPORATE SOURCE:         IDEC Pharm. Corp., La Jolla, CA, USA
SOURCE:                   Immunology (1992), 75(4), 557-64
                          CODEN: IMMUAM; ISSN: 0019-2805
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
IT   136304-36-4P
     RL: PREP (Preparation)
        (preparation of, as human immunodeficiency virus gp120 CD4-binding region
        analog, immunol. properties of, for potential AIDS immunotherapy)
RN   136304-36-4  HCAPLUS
CN   L-Cysteine, L-cysteinyl-L-arginyl-L-isoleucyl-L-lysyl-L-glutaminyl-L-
     phenylalanyl-L-isoleucyl-L-asparaginyl-L-methionyl-L-tryptophyl-L-
     glutaminyl-L-α-glutamyl-L-valylglycyl-L-lysyl-L-alanyl-L-methionyl-L-
     tyrosyl-L-alanyl-L-prolyl-L-prolyl-L-isoleucyl-L-serylglycyl-L-glutaminyl-
     L-isoleucyl-L-arginyl-, cyclic (1→28)-disulfide (9CI)  (CA INDEX
     NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
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L16  ANSWER 47 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         1992:194843  HCAPLUS
DOCUMENT NUMBER:          116:194843
TITLE:                    Synthesis of HBsAG segments in solution
AUTHOR(S):                Schon, I.; Szirtes, T.; Rill, A.
CORPORATE SOURCE:         Chem. Works Gedeon Richter, Ltd., Budapest, H-1475,
                          Hung.
SOURCE:                   Acta Chimica Hungarica (1991), 128(6),
                          751-73
                          CODEN: ACHUDC; ISSN: 0231-3146
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
IT   82357-03-7P 82357-04-8P 138772-52-8P
     140685-33-2P 140685-34-3P 140685-35-4P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation of)
RN   82357-03-7  HCAPLUS
CN   L-Cysteine, L-lysyl-L-threonyl-L-cysteinyl-L-methionyl-L-threonyl-L-
     threonyl-L-alanyl-L-glutaminylglycyl-L-threonyl-L-seryl-L-methionyl-L-
     tyrosyl-L-prolyl-L-seryl-, cyclic (3→16)-disulfide (9CI)  (CA INDEX
     NAME)

Absolute stereochemistry.

                                                  PAGE 1-B
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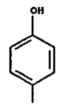

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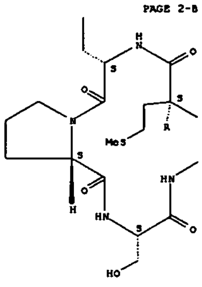

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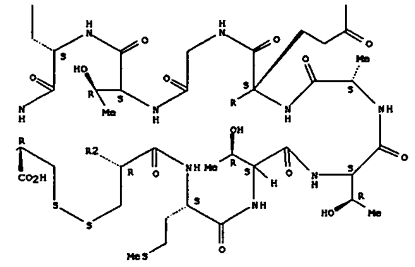
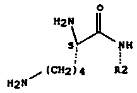


PAGE 3-A



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RN 82357-04-8 HCAPLUS

CN L-Cysteine, L-seryl-L-threonylglycyl-L-prolyl-L-seryl-L-lysyl-L-threonyl-L-cysteinyl-L-methionyl-L-threonyl-L-threonyl-L-alanyl-L-glutaminylglycyl-L-threonyl-L-seryl-L-methionyl-L-tyrosyl-L-prolyl-L-seryl-, cyclic (8→21)-disulfide (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 138772-52-8 HCAPLUS

CN L-Cysteine, L-cysteinyl-L-methionyl-L-threonyl-L-threonyl-L-alanyl-L-glutaminylglycyl-L-threonyl-L-seryl-L-methionyl-L-tyrosyl-L-prolyl-L-seryl-, cyclic (1→15)-disulfide (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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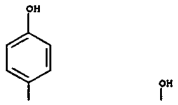

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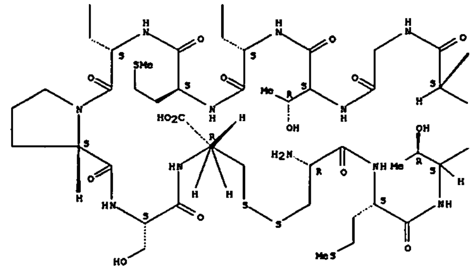

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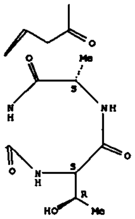
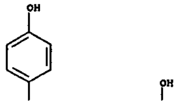


RN 140685-33-2 HCAPLUS
CN L-Cysteinamide, L-cysteinyl-L-methionyl-L-threonyl-L-threonyl-L-alanyl-L-glutaminylglycyl-L-threonyl-L-seryl-L-methionyl-L-tyrosyl-L-prolyl-L-seryl-, cyclic (1→14)-disulfide (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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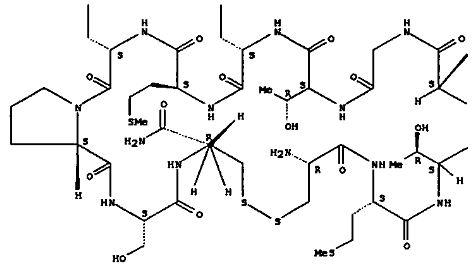
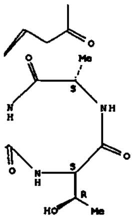
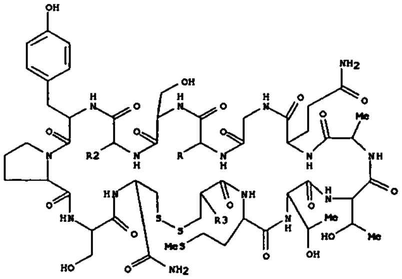


PAGE 2-B



RN 140685-34-3 HCAPLUS
CN L-Cysteinamide, L-lysyl-L-threonyl-L-cysteinyl-L-methionyl-L-threonyl-L-threonyl-L-alanyl-L-glutaminylglycyl-L-threonyl-L-seryl-L-methionyl-L-tyrosyl-L-prolyl-L-seryl-, cyclic (3→16)-disulfide (9CI) (CA INDEX NAME)

PAGE 1-A



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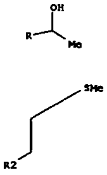

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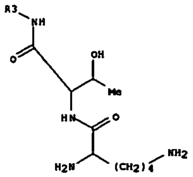

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RN   140685-35-4  HCAPLUS
CN   L-Cysteinamide, L-seryl-L-threonylglycyl-L-prolyl-L-seryl-L-lysyl-L-
     threonyl-L-cysteinyl-L-methionyl-L-threonyl-L-threonyl-L-alanyl-L-
     glutaminylglycyl-L-threonyl-L-seryl-L-methionyl-L-tyrosyl-L-prolyl-L-seryl-
     , cyclic (8→21)-disulfide (9CI)  (CA INDEX NAME)
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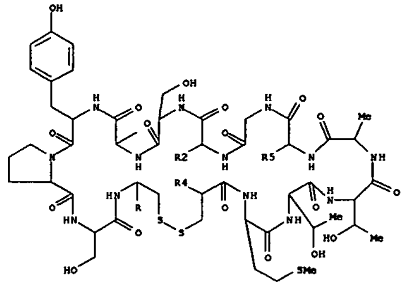
PAGE 1-A



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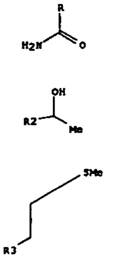
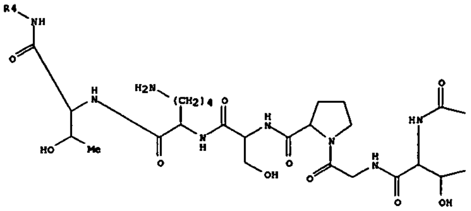


PAGE 3-A



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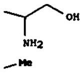
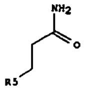


PAGE 4-A



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L16  ANSWER 48 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         1992:84191  HCAPLUS
DOCUMENT NUMBER:          116:84191
TITLE:                    Preparation of endothelin analogs as cardiovascular
                          agents
INVENTOR(S):              Wakimasu, Mitsuhiro; Kikuchi, Takashi; Kubo, Kazuki
PATENT ASSIGNEE(S):       Takeda Chemical Industries, Ltd., Japan
SOURCE:                   PCT Int. Appl., 74 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.         DATE
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     WO 9113089           A1    19910905    WO 1991-JP165           19910212 <--
         W:  CA, JP, US
         RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE
     CA 2053895           AA    19910827    CA 1991-2053895         19910212 <--
     EP 470256            A1    19920212    EP 1991-903585          19910212 <--
         R:  AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE
     JP 05503105          T2    19930527    JP 1991-503831          19910212 <--
     US 5306808           A     19940426    US 1991-768269          19911017 <--
PRIORITY APPLN. INFO.:                      JP 1990-46985        A  19900226 <--
                                            JP 1990-330064       A  19901130 <--
                                            WO 1991-JP165        W  19910212 <--
OTHER SOURCE(S):          MARPAT 116:84191
IT   138732-42-0P
     RL: BAC (Biological activity or effector, except adverse); BSU (Biological
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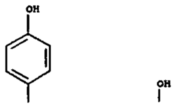
     study, unclassified); SPN (Synthetic preparation); BIOL (Biological
     study); PREP (Preparation)
        (preparation of, as cardiovascular agent)
RN   138732-42-0  HCAPLUS
CN   Endothelin 1 (swine reduced), 3-L-methionine-11-L-methionine-, cyclic
     (1→15)-disulfide (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L16  ANSWER 49 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         1992:56908  HCAPLUS
DOCUMENT NUMBER:          116:56908
TITLE:                    Analysis of the antigenic epitopes of hepatitis B
                          surface antigen involved in the induction of a
                          protective antibody response
AUTHOR(S):                Waters, J. A.; Brown, S. E.; Steward, M. W.; Howard,
                          C. R.; Thomas, H. C.
CORPORATE SOURCE:         Med. Sch., St. Mary's Hosp., London, W2 1N4, UK
SOURCE:                   Virus Research (1992), 22(1), 1-12
                          CODEN: VIREDF; ISSN: 0168-1702
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
IT   138772-52-8
     RL: BIOL (Biological study)
        (monoclonal antibody reactivity to, hepatitis B virus surface antigen
        common a determinant epitope in relation to)
RN   138772-52-8  HCAPLUS
CN   L-Cysteine, L-cysteinyl-L-methionyl-L-threonyl-L-threonyl-L-alanyl-L-
     glutaminylglycyl-L-threonyl-L-seryl-L-methionyl-L-tyrosyl-L-prolyl-L-seryl-
     , cyclic (1→15)-disulfide (9CI)  (CA INDEX NAME)

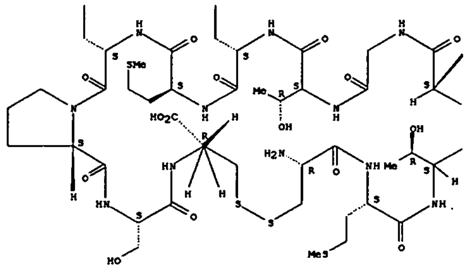
Absolute stereochemistry.
```

PAGE 1-A



PAGE 1-B

PAGE 2-A



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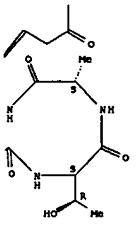

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L16  ANSWER 50 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         1992:52520  HCAPLUS
DOCUMENT NUMBER:          116:52520
TITLE:                    Synthesis of a wild-type and three mutant Cucurbita
                          maxima trypsin inhibitor-encoding genes by a
                          single-strand approach
AUTHOR(S):                Botes, D. P.; Qobose, M. D.; Corfield, V. A.
CORPORATE SOURCE:         Dep. Biochem., Univ. Cape Town, Rondebosch, 7700, S.
                          Afr.
SOURCE:                   Gene (1991), 105(2), 243-7
                          CODEN: GENED6; ISSN: 0378-1119
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
IT   138370-49-7 138370-50-0
     RL: BAC (Biological activity or effector, except adverse); BSU (Biological
     study, unclassified); PRP (Properties); BIOL (Biological study)
        (amino acid sequence of, complete)
RN   138370-49-7  HCAPLUS
CN   Trypsin inhibitor III (Cucurbita maxima seed reduced), 9-L-glutamic
     acid-16-L-methionine-28-glycine-, cyclic (3→20),(10→22)-
     bis(disulfide) (9CI)  (CA INDEX NAME)

Absolute stereochemistry.
```
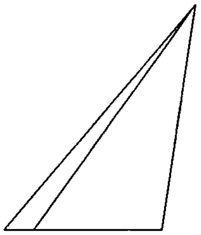

PAGE 1-C



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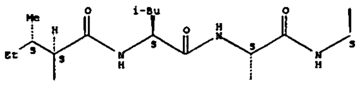

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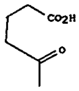
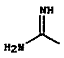


PAGE 3-A



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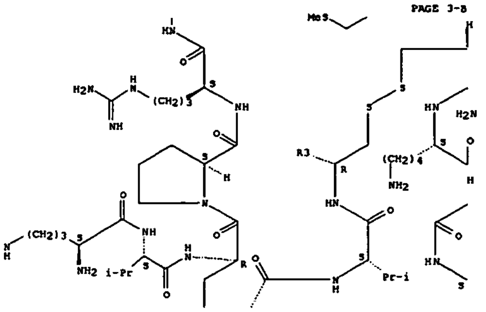
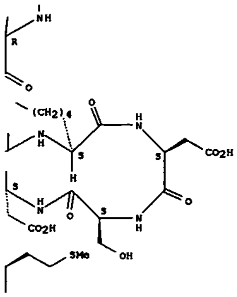
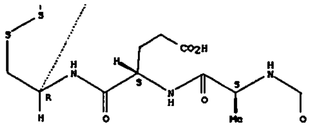


PAGE 3-C



PAGE 4-B



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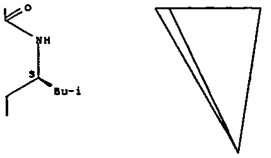

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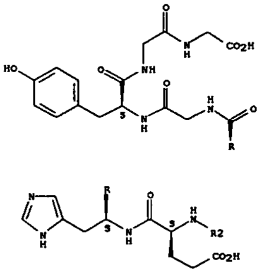

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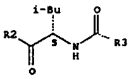
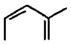


RN 138370-50-0 HCAPLUS
CN Trypsin inhibitor III (Cucurbita maxima seed reduced), 9-L-glutamic acid-10-L-serine-16-L-methionine-22-L-serine-28-glycine-, cyclic (3→20)-disulfide (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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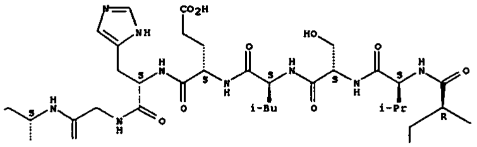

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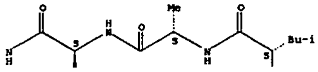
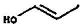


PAGE 2-A



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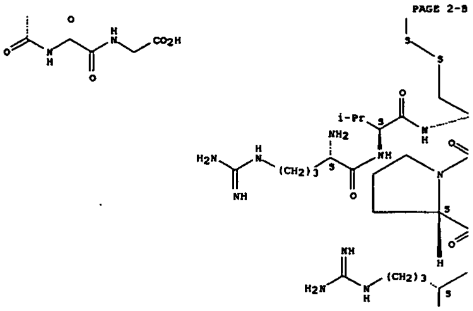

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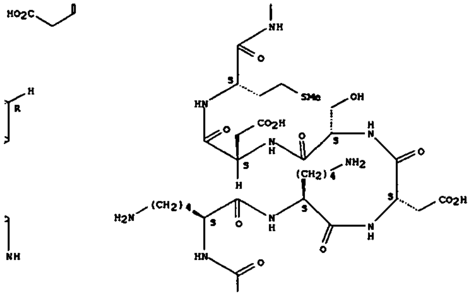

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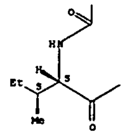

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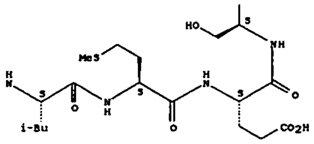

L16 ANSWER 51 OF 75 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1991:605918 HCAPLUS
DOCUMENT NUMBER: 115:205918
TITLE: Novel peptides associated with the CD4 binding region of glycoprotein gp120 and of the human immunodeficiency virus (HIV) and their methods of use
INVENTOR(S): Kieber-Emmons, Thomas; Morrow, William John Woodrow; Rastetter, William H.
PATENT ASSIGNEE(S): Idec Pharmaceuticals Corp., USA
SOURCE: PCT Int. Appl., 60 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

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     PATENT NO.          KIND   DATE       APPLICATION NO.        DATE
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     WO 9104273           A2    19910404   WO 1990-US5393         19900921 <--
     WO 9104273           A3    19910502
         W:  AU, BR, CA, FI, JP, KR, NO
         RW: AT, BE, CH, DE, DK, ES, FR, GB, IT, LU, NL, SE
     CA 2066607           AA    19910323   CA 1990-2066607        19900921 <--
     AU 9065235           A1    19910418   AU 1990-65235          19900921 <--
     EP 493508            A1    19920708   EP 1990-915005         19900921 <--
         R:  AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE
PRIORITY APPLN. INFO.:                     US 1989-411063      A  19890922 <--
                                           US 1990-584948      A  19900918 <--
                                           WO 1990-US5393      A  19900921 <--
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IT **136304-36-4P**

RL: PREP (Preparation)
(preparation of and AIDS virus glycoprotein gp 120-CD4 antigen binding reaction inhibition with)
RN 136304-36-4 HCAPLUS
CN L-Cysteine, L-cysteinyl-L-arginyl-L-isoleucyl-L-lysyl-L-glutaminyl-L-phenylalanyl-L-isoleucyl-L-asparaginyl-L-methionyl-L-tryptophyl-L-glutaminyl-L-α-glutamyl-L-valylglycyl-L-lysyl-L-alanyl-L-methionyl-L-tyrosyl-L-alanyl-L-prolyl-L-prolyl-L-isoleucyl-L-serylglycyl-L-glutaminyl-L-isoleucyl-L-arginyl-, cyclic (1→28)-disulfide (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L16 ANSWER 52 OF 75 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1991:401692 HCAPLUS
DOCUMENT NUMBER: 115:1692
TITLE: Receptor binding and biophysical studies of monocyclic analogs of endothelin
AUTHOR(S): Pelton, John T.; Jones, Richard; Saudek, Vladimir; Miller, Robert
CORPORATE SOURCE: Merrell Dow Res. Inst., Strasbourg, F-67009, Fr.
SOURCE: Pept.: Chem., Struct. Biol., Proc. Am. Pept. Symp., 11th (1990), Meeting Date 1989, 274-5.
Editor(s): Rivier, Jean E.; Marshall, Garland R.
ESCOM Sci. Pub.: Leiden, Neth.
CODEN: 56XTA7
DOCUMENT TYPE: Conference
LANGUAGE: English
IT **121377-68-2P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and receptor binding activity of)
RN 121377-68-2 HCAPLUS
CN Endothelin 1 (swine reduced), 3-[S-[(acetylamino)methyl]-L-cysteine]-11-[S-[(acetylamino)methyl]-L-cysteine]-, cyclic (1→15)-disulfide (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

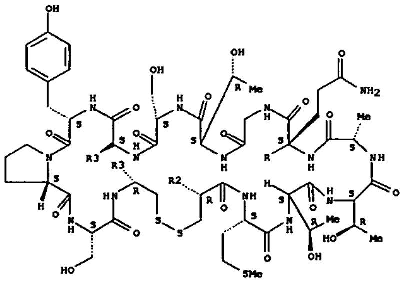
L16 ANSWER 53 OF 75 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1991:221512 HCAPLUS
DOCUMENT NUMBER: 114:221512
TITLE: Binding of [125I]-endothelin-1 to rat cerebellar homogenates and its interactions with some analogs
AUTHOR(S): Hiley, C. Robin; Jones, C. Richard; Pelton, John T.; Miller, Robert C.
CORPORATE SOURCE: Merrell Dow Res. Inst., Strasbourg, F-67009, Fr.
SOURCE: British Journal of Pharmacology (1990), 101(2), 319-24
CODEN: BJPCBM; ISSN: 0007-1188
DOCUMENT TYPE: Journal
LANGUAGE: English
IT **121377-68-2**
RL: BIOL (Biological study)
(endothelin binding by receptor of cerebellum inhibition by, mol. structure in relation to)
RN 121377-68-2 HCAPLUS
CN Endothelin 1 (swine reduced), 3-[S-[(acetylamino)methyl]-L-cysteine]-11-[S-[(acetylamino)methyl]-L-cysteine]-, cyclic (1→15)-disulfide (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L16 ANSWER 54 OF 75 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1990:179845 HCAPLUS
DOCUMENT NUMBER: 112:179845
TITLE: Synthesis of hepatitis B surface antigen peptide analogs. Part I
AUTHOR(S): Lammek, Bernard; Kupryszewski, Gotfryd; Ragnarsson, Ulf; Jastrzebska, Malgorzata; Swiderska, Hanna; Nowoslawski, Adam
CORPORATE SOURCE: Inst. Chem., Univ. Gdansk, Gdansk, 80952, Pol.
SOURCE: Polish Journal of Chemistry (1988), 62(7-12), 727-32
CODEN: PJCHDQ; ISSN: 0137-5083
DOCUMENT TYPE: Journal
LANGUAGE: English
IT **110947-61-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and immune response of, to hepatitis B surface antigen)
RN 110947-61-0 HCAPLUS
CN Glycine, L-lysyl-L-threonyl-L-cysteinyl-L-methionyl-L-threonyl-L-threonyl-L-alanyl-L-glutaminylglycyl-L-threonyl-L-seryl-L-methionyl-L-tyrosyl-L-prolyl-L-seryl-L-cysteinyl-, cyclic (3→16)-disulfide (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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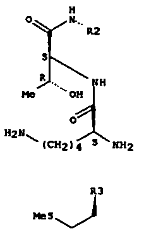

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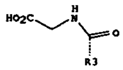


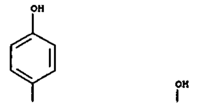
L16 ANSWER 55 OF 75 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1990:77917 HCAPLUS
DOCUMENT NUMBER: 112:77917
TITLE: Synthesis of endothelin-1 analogs, endothelin-3, and sarafotoxin S6b: structure-activity relationships
AUTHOR(S): Nakajima, Kiichiro; Kamagaye, Shinichiroh; Nishio, Hideki; Kuroda, Hisaya; Watanabe, Takushi X.; Kobayashi, Yuji; Tamaoki, Haruhiko; Kimura, Terutoshi; Sakakibara, Shumpei
CORPORATE SOURCE: Protein Res. Found., Pept. Inst. Inc., Osaka, 562, Japan
SOURCE: Journal of Cardiovascular Pharmacology (1989), 13(Suppl. 5), S8-S12
CODEN: JCPCDT; ISSN: 0160-2446
DOCUMENT TYPE: Journal
LANGUAGE: English
IT **121377-68-2**
RL: RCT (Reactant); RACT (Reactant or reagent)
(vasoconstricting activity of)
RN 121377-68-2 HCAPLUS
CN Endothelin 1 (swine reduced), 3-[S-[(acetylamino)methyl]-L-cysteine]-11-[S-[(acetylamino)methyl]-L-cysteine]-, cyclic (1→15)-disulfide (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L16 ANSWER 56 OF 75 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1990:19642 HCAPLUS

DOCUMENT NUMBER: 112:19642
TITLE: Expression of immunogenic epitopes of hepatitis B surface antigen with hybrid flagellin proteins by a vaccine strain of Salmonella
AUTHOR(S): Wu, Jane Y.; Newton, Salete; Judd, Amrit; Stocker, Bruce; Robinson, William S.
CORPORATE SOURCE: Sch. Med., Stanford Univ., Stanford, CA, 94305, USA
SOURCE: Proceedings of the National Academy of Sciences of the United States of America (1989), 86(12), 4726-30
CODEN: PNASA6; ISSN: 0027-8424
DOCUMENT TYPE: Journal
LANGUAGE: English
IT **102429-32-3P**
RL: PREP (Preparation)
(hepatitis B surface antigen epitope, preparation and expression of, in Salmonella)
RN 102429-32-3 HCAPLUS
CN L-Cysteine, L-arginyl-L-threonyl-L-cysteinyl-L-methionyl-L-threonyl-L-threonyl-L-alanyl-L-glutaminylglycyl-L-threonyl-L-seryl-L-methionyl-L-tyrosyl-L-prolyl-L-seryl-, cyclic (3→16)-disulfide (9CI) (CA INDEX NAME)

PAGE 1-A



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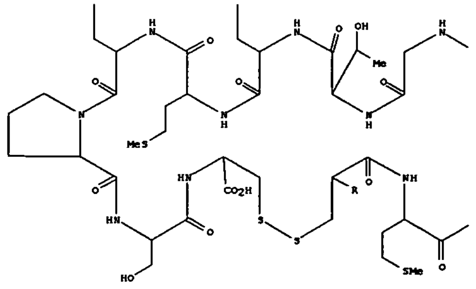
PAGE 2-A



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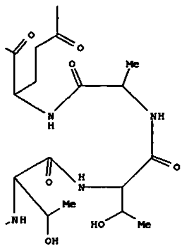

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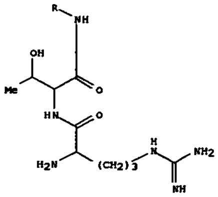

L16 ANSWER 57 OF 75 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1989:609265 HCAPLUS
DOCUMENT NUMBER: 111:209265
TITLE: Structure-activity relationship of endothelin: importance of charged groups
AUTHOR(S): Nakajima, Kiichiro; Kubo, Shigeru; Kumagaye, Shinichiroh; Nishio, Hideki; Tsunemi, Masahiko; Inui, Tetsuya; Kuroda, Hisaya; Chino, Naoyoshi; Watanabe, Takushi X.; et al.
CORPORATE SOURCE: Protein Res. Found., Pet. Inst. Inc., Minoh, 562, Japan
SOURCE: Biochemical and Biophysical Research Communications (1989), 163(1), 424-9
CODEN: BBRCA9; ISSN: 0006-291X
DOCUMENT TYPE: Journal
LANGUAGE: English

```
IT   121377-68-2
     RL: PROC (Process)
        (artery constriction of, mol. structure in relation to)
RN   121377-68-2  HCAPLUS
CN   Endothelin 1 (swine reduced), 3-[S-[(acetylamino)methyl]-L-cysteine]-11-[S-
     [(acetylamino)methyl]-L-cysteine]-, cyclic (1→15)-disulfide (9CI)
     (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L16  ANSWER 58 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         1989:471116  HCAPLUS
DOCUMENT NUMBER:          111:71116
TITLE:                    Effects of porcine and rat endothelin and an analog on
                          blood pressure in the anesthetized cat
AUTHOR(S):                Minkes, Robert K.; Coy, David H.; Murphy, William A.;
                          McNamara, Dennis B.; Kadowitz, Philip J.
CORPORATE SOURCE:         Sch. Med., Tulane Univ., New Orleans, LA, 70112, USA
SOURCE:                   European Journal of Pharmacology (1989),
                          164(3), 571-5
                          CODEN: EJPHAZ; ISSN: 0014-2999
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
IT   122075-83-6
     RL: BAC (Biological activity or effector, except adverse); BSU (Biological
     study, unclassified); PRP (Properties); BIOL (Biological study)
        (blood pressure response to, structure in relation to)
RN   122075-83-6  HCAPLUS
CN   Endothelin 1 (swine reduced), cyclic (1→15)-disulfide (9CI)  (CA
     INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L16  ANSWER 59 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         1989:445256  HCAPLUS
DOCUMENT NUMBER:          111:45256
TITLE:                    Cyclic peptides derived from hepatitis B surface
                          antigens and a method of use for inducing an
                          immunological response to hepatitis B virus
INVENTOR(S):              Dreesman, Gordon R.; Sparrow, James T.; Peterson,
                          Darrell L.; Hollinger, Frederick B.; Melnick, Joseph
                          L.
PATENT ASSIGNEE(S):       Baylor College of Medicine, USA
SOURCE:                   U.S., 16 pp. Cont. of U.S. Ser. No. 1,120, abandoned.
                          CODEN: USXXAM
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE          APPLICATION NO.          DATE
     ---------------     ----    --------      --------------------     --------
     US 4778784           A      19881018      US 1987-124419           19871123 <--
PRIORITY APPLN. INFO.:                         US 1982-447722        A1 19821206 <--
                                               US 1985-760377        A1 19850730 <--
                                               US 1987-1120          A1 19870107 <--
IT   82357-03-7P
     RL: PREP (Preparation)
        (preparation of and vaccines against hepatitis B virus containing)
RN   82357-03-7  HCAPLUS
```

```
CN   L-Cysteine, L-lysyl-L-threonyl-L-cysteinyl-L-methionyl-L-threonyl-L-
     threonyl-L-alanyl-L-glutaminylglycyl-L-threonyl-L-seryl-L-methionyl-L-
     tyrosyl-L-prolyl-L-seryl-, cyclic (3→16)-disulfide (9CI)  (CA INDEX
     NAME)
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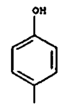
Absolute stereochemistry.

PAGE 1-B



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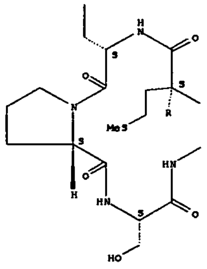
PAGE 2-B



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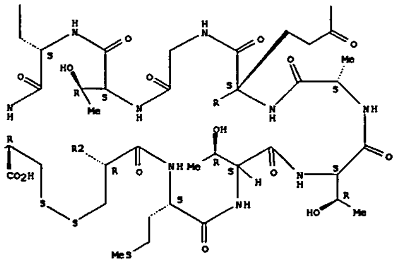

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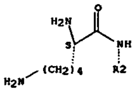

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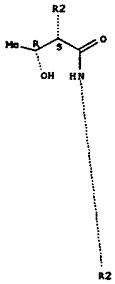

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IT   82357-03-7DP, tetanus toxoid conjugates
     RL: PREP (Preparation)
        (preparation of, as vaccine against hepatitis B virus)
RN   82357-03-7  HCAPLUS
CN   L-Cysteine, L-lysyl-L-threonyl-L-cysteinyl-L-methionyl-L-threonyl-L-
     threonyl-L-alanyl-L-glutaminylglycyl-L-threonyl-L-seryl-L-methionyl-L-
     tyrosyl-L-prolyl-L-seryl-, cyclic (3→16)-disulfide (9CI)  (CA INDEX
     NAME)
```
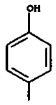

Absolute stereochemistry.

PAGE 1-B



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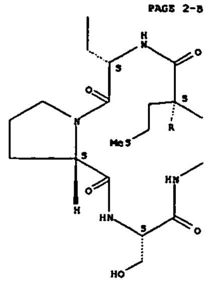
PAGE 2-B



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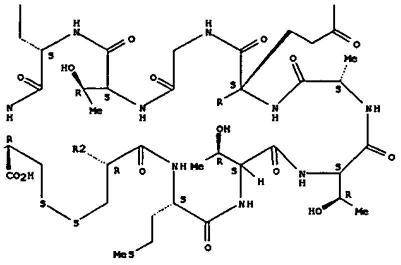

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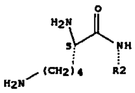

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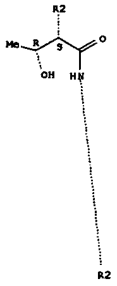
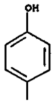


IT **82357-04-8P**
RL: PREP (Preparation)
(preparation of, vaccines against hepatitis B virus containing)
RN 82357-04-8 HCAPLUS
CN L-Cysteine, L-seryl-L-threonylglycyl-L-prolyl-L-seryl-L-lysyl-L-threonyl-L-cysteinyl-L-methionyl-L-threonyl-L-threonyl-L-alanyl-L-glutaminylglycyl-L-threonyl-L-seryl-L-methionyl-L-tyrosyl-L-prolyl-L-seryl-, cyclic (8→21)-disulfide (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

IT **102429-32-3 121454-86-2 121454-87-3**
121454-88-4
RL: BIOL (Biological study)
(vaccines against hepatitis B virus containing)
RN 102429-32-3 HCAPLUS
CN L-Cysteine, L-arginyl-L-threonyl-L-cysteinyl-L-methionyl-L-threonyl-L-threonyl-L-alanyl-L-glutaminylglycyl-L-threonyl-L-seryl-L-methionyl-L-tyrosyl-L-prolyl-L-seryl-, cyclic (3→16)-disulfide (9CI) (CA INDEX NAME)

PAGE 1-A



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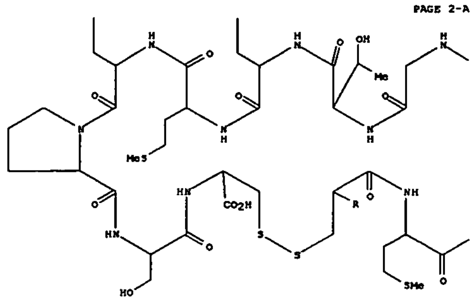

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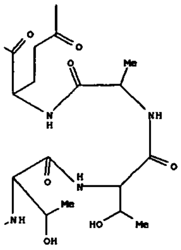

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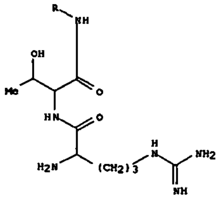
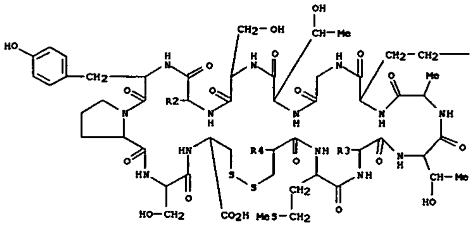


RN 121454-86-2 HCAPLUS

CN L-Cysteine, L-seryl-L-threonylglycyl-L-prolyl-L-cysteinyl-L-arginyl-L-threonyl-L-cysteinyl-L-methionyl-L-threonyl-L-threonyl-L-alanyl-L-glutaminylglycyl-L-threonyl-L-seryl-L-methionyl-L-tyrosyl-L-prolyl-L-seryl-, cyclic (8→21)-disulfide (9CI) (CA INDEX NAME)

PAGE 1-A



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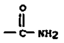
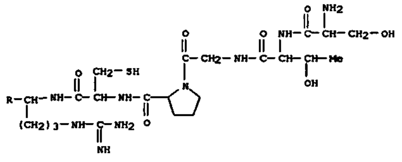
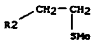


$-\overset{\overset{O}{\|}}{C}-NH_2$

PAGE 2-A





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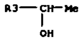
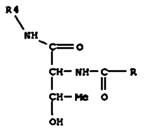




RN 121454-87-3 HCAPLUS

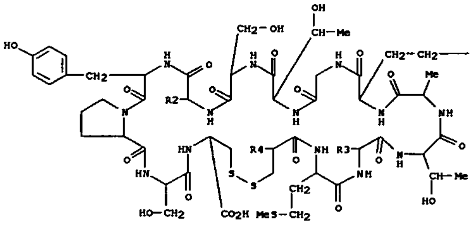
CN L-Cysteine, L-seryl-L-threonylglycyl-L-prolyl-L-cysteinyl-L-lysyl-L-threonyl-L-cysteinyl-L-methionyl-L-threonyl-L-threonyl-L-alanyl-L-glutaminylglycyl-L-threonyl-L-seryl-L-methionyl-L-tyrosyl-L-prolyl-L-seryl-, cyclic (8→21)-disulfide (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 121454-88-4 HCAPLUS

CN L-Cysteine, L-seryl-L-threonylglycyl-L-prolyl-L-seryl-L-arginyl-L-threonyl-L-cysteinyl-L-methionyl-L-threonyl-L-threonyl-L-alanyl-L-glutaminylglycyl-L-threonyl-L-seryl-L-methionyl-L-tyrosyl-L-prolyl-L-seryl-, cyclic (8→21)-disulfide (9CI) (CA INDEX NAME)

PAGE 1-A



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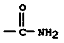
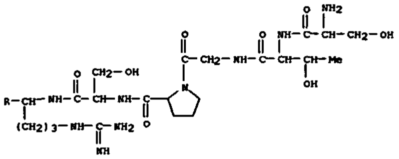
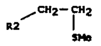


$-\overset{\overset{O}{\|}}{C}-NH_2$

PAGE 2-A





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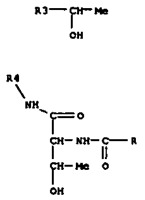


L16 ANSWER 60 OF 75 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1989:433764 HCAPLUS
DOCUMENT NUMBER: 111:33764
TITLE: Receptor binding activity and cytosolic free calcium response by synthetic endothelin analogs in cultured rat vascular smooth muscle cells
AUTHOR(S): Hirata, Y.; Yoshimi, H.; Emori, T.; Shichiri, M.; Marumo, F.; Watanabe, T. X.; Kumagaye, S.; Nakajima, K.; Kimura, T.; Sakakibara, S.
CORPORATE SOURCE: Dep. Med., Tokyo Med. Dent. Univ., Tokyo, 113, Japan
SOURCE: Biochemical and Biophysical Research Communications (1989), 160(1), 228-34
CODEN: BBRCA9; ISSN: 0006-291X
DOCUMENT TYPE: Journal
LANGUAGE: English
IT **121377-68-2**
RL: BIOL (Biological study)
(calcium mobilization and receptor binding activity of, in vascular smooth muscle, mol structure in relation to)
RN 121377-68-2 HCAPLUS
CN Endothelin 1 (swine reduced), 3-[S-[(acetylamino)methyl]-L-cysteine]-11-[S-[(acetylamino)methyl]-L-cysteine]-, cyclic (1→15)-disulfide (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L16 ANSWER 61 OF 75 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1989:24288 HCAPLUS
DOCUMENT NUMBER: 110:24288
TITLE: Synthesis and inhibitory properties of reactive-site peptides of protease inhibitors from peanuts and cucumbers
AUTHOR(S): Waki, Michinori; Ogawa, Tomohisa; Kajii, Tomoko; Sakaguchi, Kazuyasu; Kato, Tetsuo; Izumiya, Nobuo
CORPORATE SOURCE: Fac. Sci., Kyushu, Fukuoka, 812, Japan
SOURCE: Peptide Chemistry (1988), Volume Date 1987
657-62
CODEN: PECHDP; ISSN: 0388-3698
DOCUMENT TYPE: Journal
LANGUAGE: English

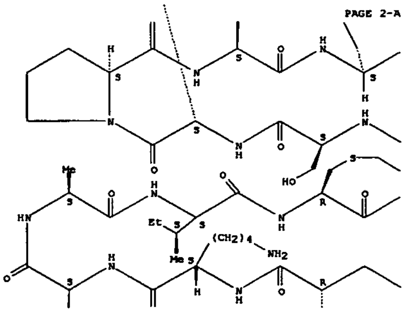
IT **113739-35-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation, reduction, disulfide coupling, and chymotrypsin inhibition of)
RN 113739-35-8 HCAPLUS
CN L-Cysteinamide, N-acetyl-L-cysteinyl-L-lysyl-L-seryl-L-alanyl-L-isoleucyl-S-[(acetylamino)methyl]-L-cysteinyl-L-alanyl-L-leucyl-L-seryl-L-tyrosyl-L-prolyl-L-alanyl-L-glutaminyl-S-[(acetylamino)methyl]-L-cysteinyl-L-phenylalanyl-, cyclic (1→16)-disulfide (9CI) (CA INDEX NAME)

Absolute stereochemistry.

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

PAGE 1-B

PAGE 2-A



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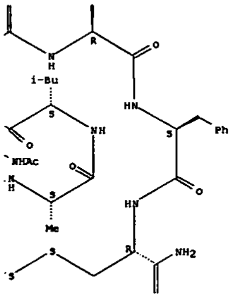

PAGE 3-A

PAGE 3-B

L16 ANSWER 62 OF 75 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1988:146058 HCAPLUS
DOCUMENT NUMBER: 108:146058
TITLE: Anti-chymotrypsin and anti-elastase activities of a synthetic bicyclic fragment containing a chymotrypsin-reactive site of soybean Bowman-Birk inhibitor
AUTHOR(S): Ando, Shoji; Yasutake, Akira; Waki, Michinori; Nishino, Norikazu; Kato, Tetsuo; Izumiya, Nobuo
CORPORATE SOURCE: Fac. Sci., Kyushu Univ., Fukuoka, 812, Japan
SOURCE: Biochimica et Biophysica Acta, Protein Structure and Molecular Enzymology (1987), 916(3), 527-31
CODEN: BBAEDZ; ISSN: 0167-4838
DOCUMENT TYPE: Journal
LANGUAGE: English
IT **113739-35-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and cyclization of and chymotrypsin inhibition kinetics with)
RN 113739-35-8 HCAPLUS
CN L-Cysteinamide, N-acetyl-L-cysteinyl-L-lysyl-L-seryl-L-alanyl-L-isoleucyl-S-[(acetylamino)methyl]-L-cysteinyl-L-alanyl-L-leucyl-L-seryl-L-tyrosyl-L-prolyl-L-alanyl-L-glutaminyl-S-[(acetylamino)methyl]-L-cysteinyl-L-phenylalanyl-, cyclic (1→16)-disulfide (9CI) (CA INDEX NAME)

Absolute stereochemistry.

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

PAGE 1-B

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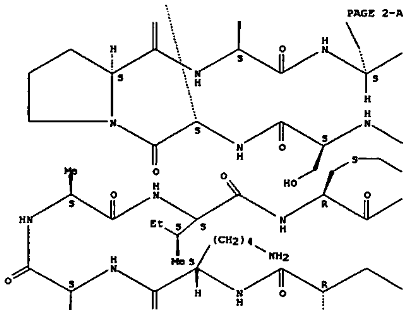

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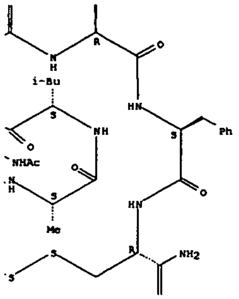


PAGE 3-A

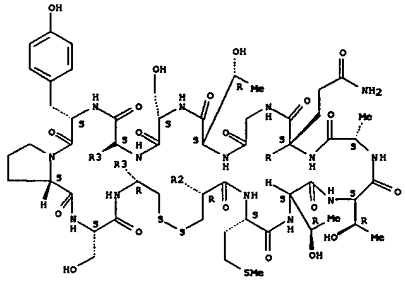
PAGE 3-B

L16 ANSWER 63 OF 75 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1987:596049 HCAPLUS
DOCUMENT NUMBER: 107:196049
TITLE: Immunogenicity of hepatitis B surface antigen synthetic peptide analogs
AUTHOR(S): Lammek, B.; Kupryszewski, G.; Ragnarsson, U.; Swiderska, H.; Jastrzebska, M.; Nowoslawski, A.
CORPORATE SOURCE: Inst. Chem., Univ. Gdansk, Gdansk, 80-952, Pol.
SOURCE: Pept., Proc. Eur. Pept. Symp., 19th (1987), Meeting Date 1986, 565-8. Editor(s): Theodoropoulos, Dimitrios. de Gruyter: Berlin, Fed. Rep. Ger.
CODEN: 56ABA8
DOCUMENT TYPE: Conference
LANGUAGE: English
IT **110947-61-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and immunogenicity of, of hepatitis B surface antigen)

RN 110947-61-0 HCAPLUS
CN Glycine, L-lysyl-L-threonyl-L-cysteinyl-L-methionyl-L-threonyl-L-threonyl-L-alanyl-L-glutaminylglycyl-L-threonyl-L-seryl-L-methionyl-L-tyrosyl-L-prolyl-L-seryl-L-cysteinyl-, cyclic (3→16)-disulfide (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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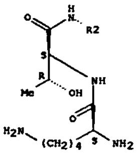

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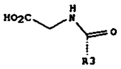


L16 ANSWER 64 OF 75 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1986:551399 HCAPLUS
DOCUMENT NUMBER: 105:151399
TITLE: Detection of hepatitis B surface antigen (or antibody to it) with labeled synthetic peptide
INVENTOR(S): Neurath, A. Robert
PATENT ASSIGNEE(S): New York Blood Center, Inc., USA
SOURCE: U.S., 15 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

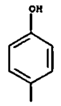
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4591552	A	19860527	US 1982-426309	19820929 <--

PRIORITY APPLN. INFO.: US 1982-426309 19820929 <--

IT **82357-03-7 104458-62-0**
RL: BIOL (Biological study)
(labeled, in hepatitis B surface antigen immunoassay)
RN 82357-03-7 HCAPLUS
CN L-Cysteine, L-lysyl-L-threonyl-L-cysteinyl-L-methionyl-L-threonyl-L-threonyl-L-alanyl-L-glutaminylglycyl-L-threonyl-L-seryl-L-methionyl-L-tyrosyl-L-prolyl-L-seryl-, cyclic (3→16)-disulfide (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-B



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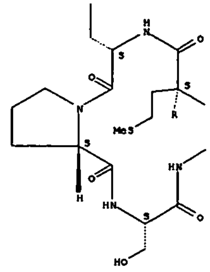
PAGE 2-B



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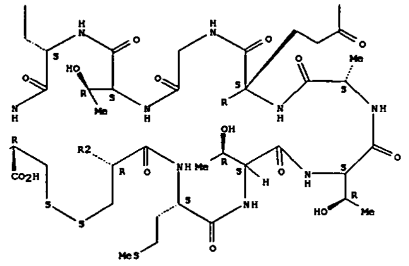

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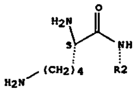

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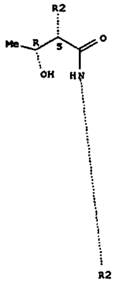

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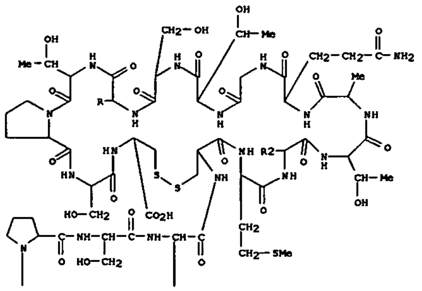
PAGE 1-A

PAGE 1-B



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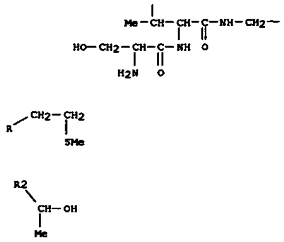

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L16  ANSWER 65 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         1986:495670  HCAPLUS
DOCUMENT NUMBER:          105:95670
TITLE:                    A surrogate hepatitis B virus antigenic epitope
                          represented by a synthetic peptide and an internal
                          image antiidiotype antibody
AUTHOR(S):                Thanavala, Y. M.; Brown, S. E.; Howard, C. R.; Roitt,
                          I. M.; Steward, M. W.
CORPORATE SOURCE:         Dep. Med. Microbiol., London Sch. Hyg. Trop. Med.,
                          London, UK
SOURCE:                   Journal of Experimental Medicine (1986),
                          164(1), 227-36
                          CODEN: JEMEAV; ISSN: 0022-1007
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
IT   103782-04-3
     RL: BIOL (Biological study)
        (as surrogate antigen, of hepatitis B surface antigen)
RN   103782-04-3  HCAPLUS
CN   L-Tyrosine, L-cysteinyl-L-methionyl-L-threonyl-L-threonyl-L-alanyl-L-
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Absolute stereochemistry.
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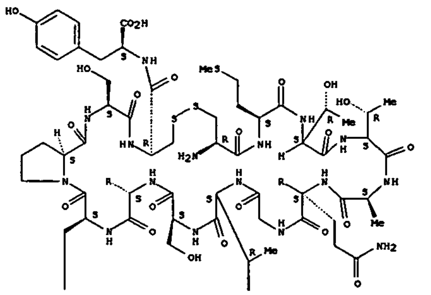
PAGE 1-A



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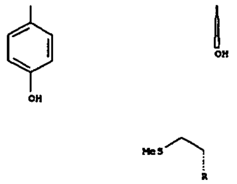

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L16  ANSWER 66 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         1986:223027  HCAPLUS
DOCUMENT NUMBER:          104:223027
TITLE:                    Synthetic hepatitis B surface antigen peptide vaccine
AUTHOR(S):                Dreesman, Gordon R.; Sparrow, James T.; Frenchick,
                          Patrick J.; Kennedy, Ronald C.
CORPORATE SOURCE:         Virol. Immunol. Dep., Southwest Found. Biomed. Res.,
                          San Antonio, TX, 78284, USA
SOURCE:                   Advances in Experimental Medicine and Biology (
                          1985), 185(Immunobiol. Proteins Pept.--3:
                          Viral Bact. Antigens), 129-37
                          CODEN: AEMBAP; ISSN: 0065-2598
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
IT   102429-32-3
     RL: BIOL (Biological study)
        (hepatitis B surface antigen synthetic peptide, immunogenicity of)
RN   102429-32-3  HCAPLUS
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     tyrosyl-L-prolyl-L-seryl-, cyclic (3→16)-disulfide (9CI)  (CA INDEX
     NAME)
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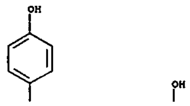

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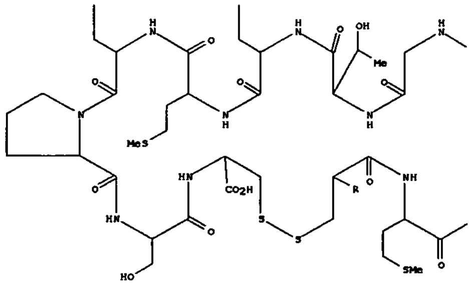

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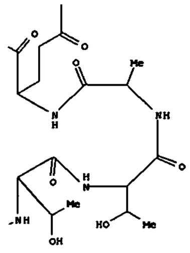

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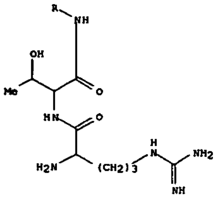

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L16  ANSWER 67 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         1985:452356  HCAPLUS
DOCUMENT NUMBER:          103:52356
TITLE:                    Analysis of antibody responses to hepatitis B surface
                          antigen
AUTHOR(S):                Howard, Colin R.; Brown, Sheila E.; Hogben, David N.;
                          Zuckerman, Arie J.; Murray-Lyon, Ian M.; Steward,
                          Michael W.
CORPORATE SOURCE:         Dep. Med. Microbiol., London Sch. Hyg. Trop. Med.,
                          London, WC1E 7HT, UK
SOURCE:                   Viral Hepatitis Liver Dis., [Proc. Int. Symp. Viral
                          Hepatitis] (1984), 561-72.  Editor(s): Vyas,
                          Girish N.; Dienstag, Jules L.; Hoofnagle, Jay H.
                          Grune & Stratton: Orlando, Fla.
                          CODEN: 53NMAH
DOCUMENT TYPE:            Conference
LANGUAGE:                 English
IT   97412-70-9
     RL: BIOL (Biological study)
        (immunogenicity of, hepatitis B vaccine in humans in relation to)
RN   97412-70-9  HCAPLUS
CN   L-Tyrosine, L-cysteinyl-L-methionyl-L-threonyl-L-threonyl-L-alanyl-L-
     glutaminylglycyl-L-threonyl-L-seryl-L-methionyl-L-tyrosyl-L-prolyl-L-
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Absolute stereochemistry.
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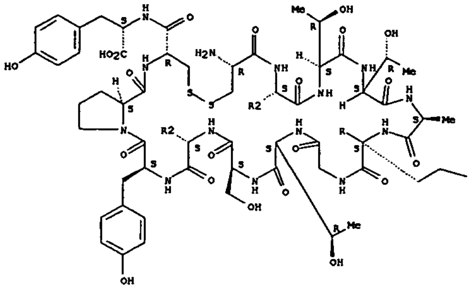

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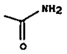

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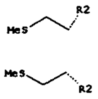

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L16  ANSWER 68 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         1984:207599  HCAPLUS
DOCUMENT NUMBER:          100:207599
TITLE:                    Synthetic peptide vaccine for hepatitis B
AUTHOR(S):                Hollinger, F. B.; Dreesman, G. R.; Sparrow, J.;
                          Melnick, J. L.
CORPORATE SOURCE:         Dep. Virol., Baylor Coll. Med., Houston, TX, 77030,
                          USA
SOURCE:                   Developments in Biological Standardization (
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                          Immunoprophyl. Infect. Hepatitis Viruses), 113-16
                          CODEN: DVBSA3; ISSN: 0301-5149
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
IT   82357-03-7
     RL: BAC (Biological activity or effector, except adverse); BSU (Biological
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        (as hepatitis B virus vaccine, antigic activity of)
RN   82357-03-7  HCAPLUS
CN   L-Cysteine, L-lysyl-L-threonyl-L-cysteinyl-L-methionyl-L-threonyl-L-
     threonyl-L-alanyl-L-glutaminylglycyl-L-threonyl-L-seryl-L-methionyl-L-
     tyrosyl-L-prolyl-L-seryl-, cyclic (3→16)-disulfide (9CI)  (CA INDEX
     NAME)

Absolute stereochemistry.
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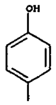
PAGE 1-B



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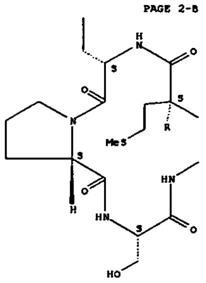
PAGE 2-B



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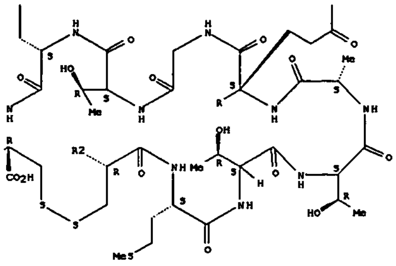

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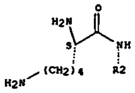

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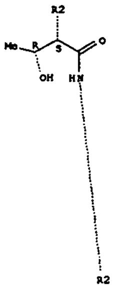

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L16  ANSWER 69 OF 75  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         1983:503597  HCAPLUS
DOCUMENT NUMBER:          99:103597
TITLE:                    Immunological composition and method for hepatitis B
                          virus
INVENTOR(S):              Dreesman, Gordon Ronald; Sparrow, James Thomas;
                          Peterson, Darrell Lynn; Hollinger, Frederick Blaine;
                          Melnick, Joseph Louis
PATENT ASSIGNEE(S):       Baylor College of Medicine, USA
SOURCE:                   Eur. Pat. Appl., 52 pp.
                          CODEN: EPXXDW
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

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     EP 82789             A3    19830921
     EP 82789             B1    19870408
         R:  CH, DE, FR, GB, IT, LI, NL
     JP 58150518          A2    19830907    JP 1982-224100         19821222 <--
PRIORITY APPLN. INFO.:                      GB 1981-38629       A  19811222 <--
IT   82357-03-7 82357-04-8
     RL: RCT (Reactant); RACT (Reactant or reagent)
        (as hepatitis B virus surface antigen peptide, preparation and cyclization
        of, as vaccine)
RN   82357-03-7  HCAPLUS
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     NAME)
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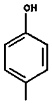
Absolute stereochemistry.

PAGE 1-B



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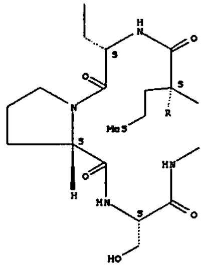

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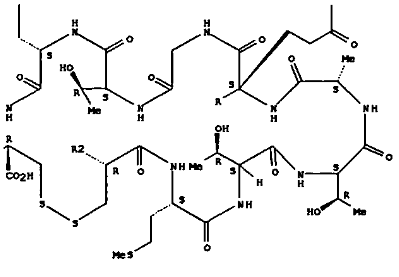

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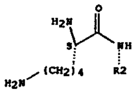

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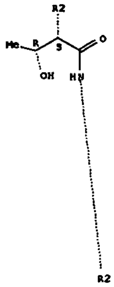

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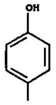
L16 ANSWER 70 OF 75 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER:	1983:196113 HCAPLUS
DOCUMENT NUMBER:	98:196113
TITLE:	Inhibition of a common human anti-hepatitis B surface antigen idiotype by a cyclic synthetic peptide
AUTHOR(S):	Kennedy, Ronald C.; Dreesman, Gordon R.; Sparrow, James T.; Culwell, Alan R.; Sanchez, Yanuario; Ionescu-Matiu, Irina; Hollinger, F. Blaine; Melnick, Joseph L.
CORPORATE SOURCE:	Dep. Virol. Epidemiol., Baylor Coll. Med., Houston, TX, 77030, USA
SOURCE:	Journal of Virology (1983), 46(2), 653-5 CODEN: JOVIAM; ISSN: 0022-538X
DOCUMENT TYPE:	Journal
LANGUAGE:	English

IT **82357-03-7 82357-04-8**
RL: BIOL (Biological study)
(of hepatitis B surface antigen, human antibody idiotypic determinant binding by)
RN 82357-03-7 HCAPLUS
CN L-Cysteine, L-lysyl-L-threonyl-L-cysteinyl-L-methionyl-L-threonyl-L-threonyl-L-alanyl-L-glutaminylglycyl-L-threonyl-L-seryl-L-methionyl-L-tyrosyl-L-prolyl-L-seryl-, cyclic (3→16)-disulfide (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-B



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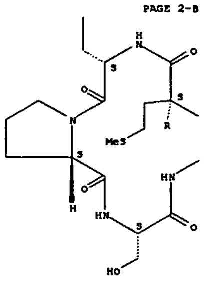

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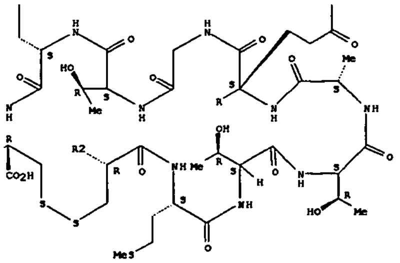

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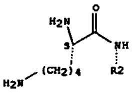

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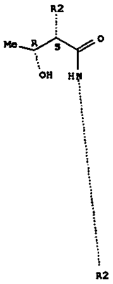

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*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

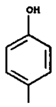
L16 ANSWER 71 OF 75 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER:	1982:437242 HCAPLUS
DOCUMENT NUMBER:	97:37242
TITLE:	Antibody to hepatitis B surface antigen after a single inoculation of uncoupled synthetic HBsAg peptides
AUTHOR(S):	Dreesman, Gordon R.; Sanchez, Yanuario; Ionescu-Matiu, Irina; Sparrow, James T.; Six, Howard R.; Peterson, Darrell L.; Hollinger, F. Blaine; Melnick, Joseph L.
CORPORATE SOURCE:	Dep. Virol. Epidemiol., Baylor Coll. Med., Houston, TX, 77030, USA
SOURCE:	Nature (London, United Kingdom) (1982), 295(5845), 158-60 CODEN: NATUAS; ISSN: 0028-0836
DOCUMENT TYPE:	Journal
LANGUAGE:	English

IT **82357-03-7 82357-04-8**
RL: BIOL (Biological study)
(of hepatitis B surface antigen, formation of antibodies to)
RN 82357-03-7 HCAPLUS
CN L-Cysteine, L-lysyl-L-threonyl-L-cysteinyl-L-methionyl-L-threonyl-L-threonyl-L-alanyl-L-glutaminylglycyl-L-threonyl-L-seryl-L-methionyl-L-tyrosyl-L-prolyl-L-seryl-, cyclic (3→16)-disulfide (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-B



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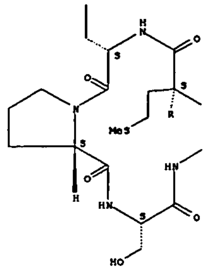
PAGE 2-B



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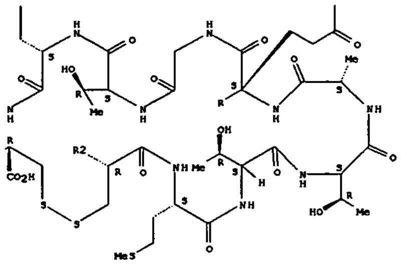

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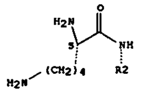

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     threonyl-L-seryl-L-methionyl-L-tyrosyl-L-prolyl-L-seryl-, cyclic
     (8→21)-disulfide (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L16  ANSWER 72 OF 75  USPATFULL on STN
ACCESSION NUMBER:        2006:43267  USPATFULL
TITLE:                   Cyclized conotoxin peptides
INVENTOR(S):             Craik, David James, Queensland, AUSTRALIA
                         Daly, Norelle Lee, Queensland, AUSTRALIA
                         Nielsen, Katherine Justine, Queensland, AUSTRALIA
PATENT ASSIGNEE(S):      The University of Queensland, Queensland, AUSTRALIA
                         (non-U.S. corporation)

                              NUMBER        KIND    DATE
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PATENT INFORMATION:      US 7001883         B1   20060221
                         WO 2000015654           20000323           <--
APPLICATION INFO.:       US 2001-787082          19990914  (9)
                         WO 1999-AU769           19990914
                                                 20010614  PCT 371 date

                                NUMBER         DATE
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PRIORITY INFORMATION:    AU 1998-5895       19980914                <--
DOCUMENT TYPE:           Utility
FILE SEGMENT:            GRANTED
PRIMARY EXAMINER:        Weber, Jon
ASSISTANT EXAMINER:      Kam, Chih-Min
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LEGAL REPRESENTATIVE:    Woodcock Washburn LLP
NUMBER OF CLAIMS:        20
EXEMPLARY CLAIM:         1
NUMBER OF DRAWINGS:      3 Drawing Figure(s); 3 Drawing Page(s)
LINE COUNT:              1348
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT  261730-34-1DP, oxidized 261730-35-2DP, oxidized
      261730-36-3DP, oxidized 261730-37-4DP, oxidized
        (preparation of cyclized conotoxin peptides)
RN   261730-34-1  USPATFULL
CN   Cyclo(L-alanyl-L-lysyl-L-cysteinyl-L-seryl-L-arginyl-L-leucyl-L-methionyl-
       L-tyrosyl-L-α-aspartyl-L-cysteinyl-L-cysteinyl-L-threonylglycyl-L-
       seryl-L-cysteinyl-L-arginyl-L-serylglycyl-L-lysyl-L-cysteinyl-L-threonyl-
       L-arginyl-L-asparaginylglycyl-L-leucyl-L-prolylglycyl-L-cysteinyl-L-
       lysylglycyl-L-lysylglycyl) (9CI)  (CA INDEX NAME)

        STRUCTURE DIAGRAM IS NOT AVAILABLE
RN   261730-35-2  USPATFULL
CN   Cyclo(L-alanyl-L-lysyl-L-cysteinyl-L-seryl-L-arginyl-L-leucyl-L-methionyl-
       L-tyrosyl-L-α-aspartyl-L-cysteinyl-L-cysteinyl-L-threonylglycyl-L-
       seryl-L-cysteinyl-L-arginyl-L-serylglycyl-L-lysyl-L-cysteinyl-L-threonyl-
       L-arginyl-L-asparaginylglycyl-L-cysteinyl-L-lysylglycyl-L-lysylglycyl)
       (9CI)  (CA INDEX NAME)

        STRUCTURE DIAGRAM IS NOT AVAILABLE
RN   261730-36-3  USPATFULL
CN   Cyclo(L-alanyl-L-lysyl-L-cysteinyl-L-seryl-L-arginyl-L-leucyl-L-methionyl-
       L-tyrosyl-L-α-aspartyl-L-cysteinyl-L-cysteinyl-L-threonylglycyl-L-
       seryl-L-cysteinyl-L-arginyl-L-serylglycyl-L-lysyl-L-cysteinyl-L-threonyl-
       L-arginylglycylglycyl-L-leucyl-L-prolyl-L-valyl-L-cysteinyl-L-
       lysylglycyl-L-lysylglycyl) (9CI)  (CA INDEX NAME)

        STRUCTURE DIAGRAM IS NOT AVAILABLE
RN   261730-37-4  USPATFULL
CN   Cyclo(L-asparaginylglycylglycyl-L-cysteinyl-L-cysteinyl-L-seryl-L-
       asparaginyl-L-prolyl-L-valyl-L-cysteinyl-L-histidyl-L-leucyl-L-α-
       glutamyl-L-histidyl-L-seryl-L-asparaginyl-L-leucyl-L-cysteinyl-L-
       threonyl) (9CI)  (CA INDEX NAME)

        STRUCTURE DIAGRAM IS NOT AVAILABLE

L16  ANSWER 73 OF 75  USPATFULL on STN
ACCESSION NUMBER:        2006:41167  USPATFULL
TITLE:                   Novel molecule
INVENTOR(S):             Craik, David James, Capel Hill, AUSTRALIA
                         Daly, Norello Lee, St. Lucia, AUSTRALIA
                         Waine, Clements Waim-Kunduane, Port Moresby, PAPUA NEW
                         GUINEA

                              NUMBER        KIND    DATE
                         ---------------- ------ --------
PATENT INFORMATION:      US 2006035819      A1   20060216
APPLICATION INFO.:       US 2005-120501     A1   20050503  (11)
RELATED APPLN. INFO.:    Continuation of Ser. No. US 2002-121282, filed on 12
                         Apr 2002, ABANDONED Continuation of Ser. No. WO
                         2000-AU1248, filed on 13 Oct 2000, UNKNOWN

                                NUMBER         DATE
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PRIORITY INFORMATION:    AU 1999-3398       19991013                <--
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DOCUMENT TYPE:          Utility
FILE SEGMENT:           APPLICATION
LEGAL REPRESENTATIVE:   BAKER & BOTTS, 30 ROCKEFELLER PLAZA, NEW YORK, NY,
                        10112, US
NUMBER OF CLAIMS:       20
EXEMPLARY CLAIM:        1
NUMBER OF DRAWINGS:     8 Drawing Page(s)
LINE COUNT:             2230
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT  334979-33-8 334979-40-7 334979-44-1
      334979-47-4 334979-50-9 334979-55-4
      334979-58-7
        (cyclic peptides as novel mols. for treatment of disease conditions in
        animals and mammals (including humans) and plants)
RN   334979-33-8  USPATFULL
CN   Cyclo(L-arginyl-L-asparaginylglycyl-L-leucyl-L-prolyl-L-valyl-L-
       cysteinylglycyl-L-α-glutamyl-L-threonyl-L-cysteinyl-L-seryl-L-
       arginyl-L-leucyl-L-methionyl-L-tyrosyl-L-α-aspartyl-L-cysteinyl-L-
       asparaginyl-L-threonyl-L-prolylglycyl-L-cysteinyl-L-threonyl-L-cysteinyl-
       L-arginyl-L-serylglycyl-L-lysyl-L-cysteinyl-L-threonyl) (9CI)  (CA INDEX
       NAME)

        STRUCTURE DIAGRAM IS NOT AVAILABLE
RN   334979-40-7  USPATFULL
CN   Cyclo(L-arginyl-L-asparaginylglycyl-L-leucyl-L-prolyl-L-valyl-L-
       cysteinylglycyl-L-α-glutamyl-L-threonyl-L-cysteinyl-L-
       valylglycylglycyl-L-cysteinyl-L-asparaginyl-L-threonyl-L-prolylglycyl-L-
       cysteinyl-L-threonyl-L-cysteinyl-L-arginylglycyl-L-α-aspartyl-L-
       valyl-L-cysteinyl-L-threonyl) (9CI)  (CA INDEX NAME)

        STRUCTURE DIAGRAM IS NOT AVAILABLE
RN   334979-44-1  USPATFULL
CN   Cyclo(L-arginyl-L-asparaginylglycyl-L-leucyl-L-prolyl-L-valyl-L-cysteinyl-
       L-prolyl-L-lysyl-L-isoleucyl-L-leucyl-L-lysyl-L-lysyl-L-cysteinyl-L-
       valylglycylglycyl-L-threonyl-L-cysteinyl-L-asparaginyl-L-threonyl-L-
       prolylglycyl-L-cysteinyl-L-threonyl-L-cysteinyl-L-seryl-L-tryptophyl-L-
       prolyl-L-valyl-L-cysteinyl-L-threonyl) (9CI)  (CA INDEX NAME)

        STRUCTURE DIAGRAM IS NOT AVAILABLE
RN   334979-47-4  USPATFULL
CN   Cyclo(L-alanyl-L-cysteinyl-L-isoleucyl-L-cysteinyl-L-arginylglycyl-L-
       asparaginylglycyl-L-tyrosyl-L-cysteinylglycyl-L-serylglycyl-L-seryl-L-
       α-aspartylglycylglycyl-L-valyl-L-cysteinyl-L-lysyl-L-lysyl-L-
       arginyl-L-seryl-L-tryptophyl-L-prolyl-L-cysteinyl-L-arginyl-L-arginyl-L-
       α-aspartyl-L-seryl-L-α-aspartyl-L-cysteinyl-L-prolylglycyl)
       (9CI)  (CA INDEX NAME)

        STRUCTURE DIAGRAM IS NOT AVAILABLE
RN   334979-50-9  USPATFULL
CN   Cyclo(L-arginyl-L-asparaginylglycyl-L-leucyl-L-prolyl-L-valyl-L-
       cysteinylglycyl-L-α-glutamyl-L-threonyl-L-cysteinyl-L-
       valylglycylglycyl-L-threonyl-L-cysteinyl-L-asparaginyl-L-threonyl-L-
       prolylglycyl-L-cysteinyl-L-threonyl-L-cysteinyl-L-histidyl-D-
       phenylalanyl-L-arginyl-L-tryptophyl-L-cysteinyl-L-threonyl) (9CI)  (CA
       INDEX NAME)

        STRUCTURE DIAGRAM IS NOT AVAILABLE
RN   334979-55-4  USPATFULL
CN   Cyclo(L-arginyl-L-asparaginylglycyl-L-leucyl-L-prolyl-L-valyl-L-
       cysteinylglycyl-L-α-glutamyl-L-threonyl-L-cysteinyl-L-
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       valylglycylglycyl-L-threonyl-L-cysteinyl-L-asparaginyl-L-threonyl-L-
       prolylglycyl-L-cysteinyl-L-threonyl-L-cysteinyl-L-histidyl-D-
       phenylalanyl-L-arginyl-L-tryptophyl-L-asparaginyl-L-cysteinyl-L-
       threonyl) (9CI)  (CA INDEX NAME)

        STRUCTURE DIAGRAM IS NOT AVAILABLE
RN   334979-58-7  USPATFULL
CN   Cyclo(3-cyclohexyl-L-alanyl-L-tryptophyl-L-arginyl-L-cysteinyl-L-threonyl-
       L-arginyl-L-asparaginylglycyl-L-leucyl-L-prolyl-L-valyl-L-
       cysteinylglycyl-L-α-glutamyl-L-threonyl-L-cysteinyl-L-
       valylglycylglycyl-L-threonyl-L-cysteinyl-L-asparaginyl-L-threonyl-L-
       prolylglycyl-L-cysteinyl-L-threonyl-L-cysteinyl-N-methyl-L-phenylalanyl-
       L-ornithyl-L-prolyl) (9CI)  (CA INDEX NAME)

        STRUCTURE DIAGRAM IS NOT AVAILABLE

L16  ANSWER 74 OF 75  USPATFULL on STN
ACCESSION NUMBER:       2003:226283  USPATFULL
TITLE:                  Novel molecule
INVENTOR(S):            Craik, David James, Queensland, AUSTRALIA
                        Daly, Norello Lee, Queensland, AUSTRALIA
                        Waine, Clements Waim-Kunduane, Port Moresby, PAPUA NEW
                        GUINEA

                            NUMBER        KIND    DATE
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PATENT INFORMATION:     US 2003158096      A1   20030821          <--
APPLICATION INFO.:      US 2002-121282     A1   20020412  (10)
RELATED APPLN. INFO.:   Continuation of Ser. No. WO 2000-AU1248, filed on 13
                        Oct 2000, UNKNOWN

                              NUMBER         DATE
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PRIORITY INFORMATION:   AU 1999-3398       19991013               <--
DOCUMENT TYPE:          Utility
FILE SEGMENT:           APPLICATION
LEGAL REPRESENTATIVE:   BAKER & BOTTS, 30 ROCKEFELLER PLAZA, NEW YORK, NY,
                        10112
NUMBER OF CLAIMS:       99
EXEMPLARY CLAIM:        1
NUMBER OF DRAWINGS:     8 Drawing Page(s)
LINE COUNT:             2506
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT  334979-33-8 334979-40-7 334979-44-1
      334979-47-4 334979-50-9 334979-55-4
      334979-58-7
        (cyclic peptides as novel mols. for treatment of disease conditions in
        animals and mammals (including humans) and plants)
RN   334979-33-8  USPATFULL
CN   Cyclo(L-arginyl-L-asparaginylglycyl-L-leucyl-L-prolyl-L-valyl-L-
       cysteinylglycyl-L-α-glutamyl-L-threonyl-L-cysteinyl-L-seryl-L-
       arginyl-L-leucyl-L-methionyl-L-tyrosyl-L-α-aspartyl-L-cysteinyl-L-
       asparaginyl-L-threonyl-L-prolylglycyl-L-cysteinyl-L-threonyl-L-cysteinyl-
       L-arginyl-L-serylglycyl-L-lysyl-L-cysteinyl-L-threonyl) (9CI)  (CA INDEX
       NAME)

        STRUCTURE DIAGRAM IS NOT AVAILABLE
RN   334979-40-7  USPATFULL
CN   Cyclo(L-arginyl-L-asparaginylglycyl-L-leucyl-L-prolyl-L-valyl-L-
       cysteinylglycyl-L-α-glutamyl-L-threonyl-L-cysteinyl-L-
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       valylglycylglycyl-L-cysteinyl-L-asparaginyl-L-threonyl-L-prolylglycyl-L-
       cysteinyl-L-threonyl-L-cysteinyl-L-arginylglycyl-L-α-aspartyl-L-
       valyl-L-cysteinyl-L-threonyl) (9CI)  (CA INDEX NAME)

        STRUCTURE DIAGRAM IS NOT AVAILABLE
RN   334979-44-1  USPATFULL
CN   Cyclo(L-arginyl-L-asparaginylglycyl-L-leucyl-L-prolyl-L-valyl-L-cysteinyl-
       L-prolyl-L-lysyl-L-isoleucyl-L-leucyl-L-lysyl-L-lysyl-L-cysteinyl-L-
       valylglycylglycyl-L-threonyl-L-cysteinyl-L-asparaginyl-L-threonyl-L-
       prolylglycyl-L-cysteinyl-L-threonyl-L-cysteinyl-L-seryl-L-tryptophyl-L-
       prolyl-L-valyl-L-cysteinyl-L-threonyl) (9CI)  (CA INDEX NAME)

        STRUCTURE DIAGRAM IS NOT AVAILABLE
RN   334979-47-4  USPATFULL
CN   Cyclo(L-alanyl-L-cysteinyl-L-isoleucyl-L-cysteinyl-L-arginylglycyl-L-
       asparaginylglycyl-L-tyrosyl-L-cysteinylglycyl-L-serylglycyl-L-seryl-L-
       α-aspartylglycylglycyl-L-valyl-L-cysteinyl-L-lysyl-L-lysyl-L-
       arginyl-L-seryl-L-tryptophyl-L-prolyl-L-cysteinyl-L-arginyl-L-arginyl-L-
       α-aspartyl-L-seryl-L-α-aspartyl-L-cysteinyl-L-prolylglycyl)
       (9CI)  (CA INDEX NAME)

        STRUCTURE DIAGRAM IS NOT AVAILABLE
RN   334979-50-9  USPATFULL
CN   Cyclo(L-arginyl-L-asparaginylglycyl-L-leucyl-L-prolyl-L-valyl-L-
       cysteinylglycyl-L-α-glutamyl-L-threonyl-L-cysteinyl-L-
       valylglycylglycyl-L-threonyl-L-cysteinyl-L-asparaginyl-L-threonyl-L-
       prolylglycyl-L-cysteinyl-L-threonyl-L-cysteinyl-L-histidyl-D-
       phenylalanyl-L-arginyl-L-tryptophyl-L-cysteinyl-L-threonyl) (9CI)  (CA
       INDEX NAME)

        STRUCTURE DIAGRAM IS NOT AVAILABLE
RN   334979-55-4  USPATFULL
CN   Cyclo(L-arginyl-L-asparaginylglycyl-L-leucyl-L-prolyl-L-valyl-L-
       cysteinylglycyl-L-α-glutamyl-L-threonyl-L-cysteinyl-L-
       valylglycylglycyl-L-threonyl-L-cysteinyl-L-asparaginyl-L-threonyl-L-
       prolylglycyl-L-cysteinyl-L-threonyl-L-cysteinyl-L-histidyl-D-
       phenylalanyl-L-arginyl-L-tryptophyl-L-asparaginyl-L-cysteinyl-L-
       threonyl) (9CI)  (CA INDEX NAME)

        STRUCTURE DIAGRAM IS NOT AVAILABLE
RN   334979-58-7  USPATFULL
CN   Cyclo(3-cyclohexyl-L-alanyl-L-tryptophyl-L-arginyl-L-cysteinyl-L-threonyl-
       L-arginyl-L-asparaginylglycyl-L-leucyl-L-prolyl-L-valyl-L-
       cysteinylglycyl-L-α-glutamyl-L-threonyl-L-cysteinyl-L-
       valylglycylglycyl-L-threonyl-L-cysteinyl-L-asparaginyl-L-threonyl-L-
       prolylglycyl-L-cysteinyl-L-threonyl-L-cysteinyl-N-methyl-L-phenylalanyl-
       L-ornithyl-L-prolyl) (9CI)  (CA INDEX NAME)

        STRUCTURE DIAGRAM IS NOT AVAILABLE

L16  ANSWER 75 OF 75  USPATFULL on STN
ACCESSION NUMBER:       94:35683  USPATFULL
TITLE:                  Peptide derivatives having vasodilating activity
INVENTOR(S):            Wakimasu, Mitsuhiro, Tsukuba, Japan
                        Kikuchi, Takashi, Tsukuba, Japan
                        Kubo, Kazuki, Tsukuba, Japan
PATENT ASSIGNEE(S):     Takeda Chemical Industries, Ltd., Osaka, Japan
                        (non-U.S. corporation)

                            NUMBER        KIND    DATE
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PATENT INFORMATION:     US 5306808              19940426          <--
                        WO 9113089              19910905          <--
APPLICATION INFO.:      US 1991-768269          19911017  (7)
                        WO 1991-JP165           19910212
                                                19911017  PCT 371 date
                                                19911017  PCT 102(e) date
DOCUMENT TYPE:          Utility
FILE SEGMENT:           Granted
PRIMARY EXAMINER:       Lee, Lester L.
LEGAL REPRESENTATIVE:   Conlin, David G., Resnick, David S.
NUMBER OF CLAIMS:       1
EXEMPLARY CLAIM:        1
LINE COUNT:             1817
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT  138732-42-0P
        (preparation of, as cardiovascular agent)
RN   138732-42-0  USPATFULL
CN   Endothelin 1 (swine reduced), 3-L-methionine-11-L-methionine-, cyclic
       (1→15)-disulfide (9CI)  (CA INDEX NAME)

        STRUCTURE DIAGRAM IS NOT AVAILABLE
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